

1. Welcome to the Survey

You are invited to respond to this questionnaire about the use of ponds as Nature-based Solutions (NbS)* in the landscapes, also called pondscape. The questionnaire is part of the PONDERFUL project: Pond Ecosystems for Resilient Future Landscapes in a Changing Climate, which has received funding from the European Union's Horizon 2020 (H2020) research and innovation programme under grant agreement No ID 869296.

There are many scattered initiatives to create, restore and manage ponds across Europe. The aim of this questionnaire is to evaluate the role of these schemes as NbS for climate change adaptation, from the pond scale (local NbS) to the pondscape scale (landscape NbS).

Nature Contribution to Peoples (NCP)**

Specifically, here you are asked to provide one example of a NbS implemented in your pondscape, an example that you consider as particularly important and potentially of interest for other regions in Europe. This often will be pond/pondscape creation or pond/pondscape restoration. But it could also be pond/pondscape management, including pond infrastructure measures, pond management measures and land-use actions on the pondscape. You are asked also to indicate which Nature's Contribution to People (NCP** or Ecosystem Services) are potentially provided by your example of implemented NbS.

The questionnaire is extensive because it includes the three types of NbS and 11 NCP but you are only required to respond to the section related with the NbS implemented in your pondscape and the associated NCP. By responding "No" to a particular type of NbS, you will skip all the questions regarding this NbS. The estimated duration of the questionnaire is approximately 30 minutes: the exact duration will depend on the number of most successful NbS implemented in your pondscape.

The results of the survey will be used exclusively for the purpose of the PONDERFUL project. A report and a scientific publication will be available to the stakeholders and all contributors. If you wish, your name will be added as contributor in the PONDERFUL project deliverable, and in the acknowledgements of the scientific publication. You will be asked about these possibilities during the questionnaire.

Furthermore, a database of "case-studies" in NBS implementation will be made publicly available in 2023 and can potentially include your NBS (with your agreement).

The questionnaire is written in English, but if needed, you can open it through a translator (cf. <https://www.deepl.com/>) to support you as well.

*Nature-based Solutions (NbS) are defined by IUCN as "actions to protect, sustainably manage, and restore natural or modified ecosystems, that address societal challenges effectively and adaptively, simultaneously providing human well-being and biodiversity benefits".

**Nature's contributions to people (NCP) are defined by IPBES as "all the contributions, both positive and negative, of living nature (i.e. diversity of organisms, ecosystems, and their associated ecological and evolutionary processes) to the quality of life for people".

* 1. What is your contact information?

Name

Surname

Institution/Company

Country

Email Address

Phone Number

* 2. By responding to the survey, I consent the processing of my personal data by the PONDERFUL project researchers and I am aware that the data will only be used for scientific purposes, in an anonymous way, and the results will only be presented in an aggregated form, so it will not be possible to identify data linked to particular people.

The data gathered through this questionnaire will be treated in line with the requirements of the EU Regulation on the protection of natural persons with regard to the processing of personal data (GDPR; Regulation 2016/679; in force in Sweden from 25th of May 2018).

Yes

No

2. Pondscape general information

The survey is to be filled out in relation to the pondscape where NbS have been implemented.

Definition of a pondscape used in the H2020 PONDERFUL project: A pondscape is a landscape including a congregation of ponds, which are either located in spatial proximity or directly connected to each other. Pondscares can sustain populations of different species. Where to draw the boundaries of a pondscape depends on the aspects considered: It may be based on the dispersal potential of certain taxonomic groups living in the pondscape (e.g. plants, mollusks, dragonflies, reptiles, birds), on the land use (e.g. forest, meadows, urban area) or the management structure (e.g. nature reserve, municipal land).

The area can therefore be various, and for example the pondscares considered in DEMO-sites in PONDERFUL have a median area of 2.8 km² (minimal: 0.1 km² and maximal: 30 km²)

Definition of a pond used in the H2020 PONDERFUL project: A pond is a standing waterbody with a surface area between 1 m² and 5 ha. Their depth ranges from a few centimeters to several meters. Ponds can be permanent and hold water all year round, or be temporary and only hold water in some parts of the year. Some ponds are man-made, whereas others are natural in origin.

* 3. What is the name of your pondscape?

* 4. How many ponds are present in the pondscape?

If you do not know the exact number, you can indicate an approximate number.

- 1
- 2-4
- 5-25
- 26-200
- >200
- Unknown

Exact value (only if the info is available)

* 5. What is the size of the ponds in the pondscape (in m²)?

- Heterogeneous, from small (e.g. 1-10 m²) to large (e.g. 10000m²)
- Most are small (< 100 m²)
- Most are medium sized (e.g. 500 – 5000 m²)
- Most are large (e.g. > 5000 m²)
- Unknown

* 6. What is the approximated surface area of the pondscape (in km²)?

- Very small (< 0.01 km²)
- Small (0.01 to 0.1 km²)
- Medium sized (0.1 to 1 km²)
- Large (1 to 10 km²)
- Very large (> 10 km²)
- Unknown

Exact value (only if available)

* 7. What is the dominant land cover (i.e. the land cover that appears most frequently) across the pondscape? If needed, you can select more than one category

CORINE land cover (CLC) nomenclature, European Environment Agency

- Cropland
- Farmland
- Forest
- Grassland
- Pastureland
- Shrubland
- Shrubland mixed with forest
- Shrubland mixed with cropland
- Shrubland mixed with grassland
- Wetlands
- Urban areas
- Industrial, commercial and transport units
- Other (please specify)

8. About what percentage of the pondscape is protected (e.g. nature reserve)?

9. What is the latitude and longitude (in decimal degrees, WGS 84, e.g. 41.390205 and 2.154007) of the central point of the pondscape?

Latitude

Longitude

If unknown, provide indication that can help us to localize the pondscape: name of nearest town, etc.

* 10. In what country is the pondscape located?

11. Could you share a photograph of your pondscape (or a typical pond)? Please, upload it here:

Choose File

Choose File

No file chosen

3. Pond/pondscape creation

In the following sections, you will be asked about your chosen example of NbS implemented, that can be a (i) Pond/pondscape creation, or a (ii) Pond/pondscape restoration, or a (iii) Pond/pondscape management. You need to have at least one of these NbS (i/ii/iii) implemented in your pondscape.

You will also be asked about a selection of Nature's contributions to people (NCP) provided by this NbS.

By responding "No" to a particular type of NbS, you will skip all the questions regarding this NbS.

* 12. Is your chosen example of NbS the creation of a pond or several ponds in your pondscape?

e.g. creating one or several ponds in a site where there was formerly no waterbody.

It can be, for example, the pond that you consider the most important or a set of ponds that was/were created with the same purpose.

Yes

No

4. Pond/pondscape creation

The following questions concern the NbS "Pond/Pondscape creation" (you responded "yes" in section 3). It relates to a pond or a set of ponds that was/were created with the same purpose (= one NbS) in a site where there was formerly no waterbody. At the end of this section, you will be asked whether you would like to provide another example of NbS, in case there were other ponds or set of ponds created in the same pondscape with other purpose.

* 13. What was done exactly, e.g. number of ponds created, purpose (e.g. leisure, biodiversity)? (max 5000 characters)

14. What was the dominant land cover before the pond/s was/were created?

Select the land cover that appeared most frequently in the landscape where the pond/s was/were created.
CORINE land cover (CLC) nomenclature, European Environment Agency

- Cropland
- Farmland
- Forest
- Grassland
- Pastureland
- Shrubland
- Shrubland mixed with forest
- Shrubland mixed with cropland
- Shrubland mixed with grassland
- Wetlands
- Urban areas
- Industrial, commercial and transport units
- Other (please specify)

15. In what year the negotiation for the creation of the pond/s (e.g. political negotiations/site permissions, etc.) and/or the practical creation of the pond started? Enter 4-digit birth year; for example, 2005

Comment (if needed)

16. Which was the timeframe for the negotiation for the creation of the pond/s (e.g. political negotiations/site permissions, etc.), from the idea to the establishment? Please enter the number of months; for example, 3.

Comment (if needed)

17. How long did it take to create the pond/s in practice (e.g. digging...)? Please enter the number of months; for example, 3.

Comment (if needed)

18. What kind of stakeholders were involved in the creation of the pond/s and in which way?

Skip this stage if you don't have this information.

Formal involvement (e.g. management, formal decision making, etc.)

Informal role (e.g. volunteer, user, etc.)

Civil society: citizens and representatives of active associations

Policy maker: a person responsible for or involved in formulating policies, especially in politics.

Public sector (not policy maker): governments and all publicly controlled or publicly funded agencies, enterprises, and other entities that deliver public programs, goods, or services

Private sector: for-profit businesses run by individuals or companies

Scientific

19. How much money, in Euros, did the creation of the pond/s cost?

e.g. design, land acquisition/rent, insurance and legal fees, equipment rent/ purchase, construction cost, etc.

Skip this stage if you don't have this information.

20. Give a description of the costs provided in the previous question (max 1000 characters)

Skip this stage if you don't have this information.

21. Is/are the pond/s generating any revenue?

Skip this stage if you don't have this information.

- Yes
- No
- If yes, how much per year? (in Euros/year)

22. The following questions focus on different Nature's contributions to people (NCP*) that the pond/s created might have contributed to.

**NCP are defined by IPBES as "all the contributions, both positive and negative, of living nature (i.e. diversity of organisms, ecosystems, and their associated ecological and evolutionary processes) to the quality of life for people*

Was the "creating habitat for biodiversity" NCP the objective when creating this/these pond/s?

The NCP "creating habitat for biodiversity" refers to the formation and continued production of habitats for biodiversity. In the case of pondscapes, examples are e.g. growing sites for plants; nesting, feeding, and mating sites for animals; resting and overwintering areas for migratory mammals, birds and butterflies; nurseries for juvenile stages of fish, etc.

- Yes
- No

5. Pond/s creation - "creating habitat for biodiversity" NCP

23. To what degree was the "creating habitat for biodiversity" NCP the objective when creating this/these pond/s?

0: It was not an objective

3: High degree

24. How effective this/these pond/s are at creating habitat for biodiversity?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

25. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

26. Does creating this/these pond/s with the objective of creating habitat for biodiversity negatively influence the delivery of any other NCPs?

- Many negative influences on other NCPs
- Some negative influences on other NCPs
- No negative influences on other NCPs
- Unknown

27. If you have confirmed a negative influence of creating this/these pond/s with the objective of creating habitat for biodiversity on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

28. What is the degree of confidence you have regarding the negative influence of creating this/these pond/s for the creation of habitat for biodiversity on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

6. Pond/s creation - "pollination" NCP

* 29. Was the "pollination" NCP the objective when creating this/these pond/s?

The NCP "Pollination" refers to the facilitation of transfer of pollen to a stigma, ovule, flower, or plant to allow fertilization, and dispersal of seeds, larvae or spores

Yes

No

7. Pond/s creation - "pollination" NCP

30. To what degree was the "pollination" NCP the objective when creating this/ these pond/s?

0: It was not an objective

3: High degree

31. How effective this/these pond/s are at facilitating pollination?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

32. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

33. Does creating this/these pond/s with the objective of facilitation of pollination negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

34. If you have confirmed a negative influence of creating this/these pond/s with the objective of facilitation of pollination on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

35. What is the degree of confidence you have regarding the negative influence of creating this/these pond/s for the facilitation of pollination on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

8. Pond/s creation - "regulation of climate" NCP

* 36. Was the "regulation of climate" NCP the objective when creating this/these pond/s?

The NCP "Regulation of climate" refers to the climate regulation by ecosystems (including regulation of global warming). It can be produced through: i) positive or negative effects on emissions of greenhouse gases (e.g. biological carbon storage and sequestration; methane emissions from wetlands), and ii) direct and indirect processes involving biogenic volatile organic compounds (BVOC), and regulation of aerosols and aerosol precursors by phytoplankton and terrestrial plants

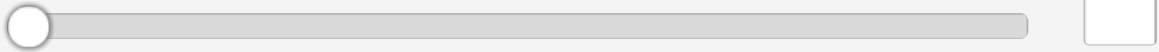
Yes

No

9. Pond/s creation - "regulation of climate" NCP

37. To what degree was the "regulation of climate" NCP the objective when creating this/these pond/s?

0: It was not an objective 3: High degree



38. How effective this/these pond/s are at regulating the climate?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

39. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

40. Does creating this/these pond/s with the objective of regulation of climate negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

41. If you have confirmed a negative influence of creating this/these pond/s with the objective of regulation of climate on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

42. What is the degree of confidence you have regarding the negative influence of creating this/these pond/s for the regulation of climate on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

10. Pond/s creation - "regulation of water quantity, location and timing" NCP

* 43. Was the "regulation of water quantity, location and timing" NCP the objective when creating this/these pond/s?

The NCP "Regulation of water quantity, location and timing" refers to the: i) regulation, by ponds, of the quantity, location and timing of the flow of surface and groundwater; ii) regulation of flow to water-dependent natural habitats; and iii) modification of groundwater levels

Yes

No

11. Pond/s creation - "regulation of water quantity, location and timing" NCP

44. To what degree was the "regulation of water quantity, location and timing" NCP the objective when creating this/these pond/s?

0: It was not an objective

3: High degree

45. How effective this/these pond/s are at regulating the water quantity, location and timing?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

46. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

47. Does creating this/these pond/s with the objective of regulation of water quantity, location and timing negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

48. If you have confirmed a negative influence of creating this/these pond/s with the objective of regulation of water quantity, location and timing on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

49. What is the degree of confidence you have regarding the negative influence of creating this/these pond/s for the regulation of water quantity, location and timing on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

12. Pond/s creation - "regulation of water quality" NCP

* 50. Was the "regulation of water quality" NCP the objective when creating this/these pond/s?

The NCP "Regulation of water quality" refers to the influence of ponds on water quality through filtration of particles, pathogens, excess nutrients, and other chemicals

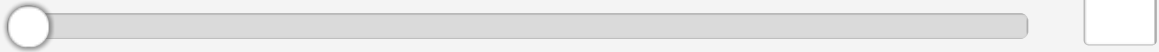
Yes

No

13. Pond/s creation - "regulation of water quality" NCP

51. To what degree was the "regulation of water quality" NCP the objective when creating this/these pond/s?

0: It was not an objective 3: High degree



52. How effective this/these pond/s are at regulating the water quality?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

53. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

54. Does creating this/these pond/s with the objective of regulation of water quality negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

55. If you have confirmed a negative influence of creating this/these pond/s with the objective of regulation of water quality on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

56. What is the degree of confidence you have regarding the negative influence of creating this/these pond/s for the regulation of water quality on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

14. Pond/s creation - "regulation of hazards and extreme events" NCP

* 57. Was the "regulation of hazards and extreme events" NCP the objective when creating this/these pond/s?

The NCP "Regulation of hazards and extreme events" refers to the potential of ponds to mitigate the impacts of floods, storms, heat waves, fires, seawater intrusion, tidal waves, etc.

Yes

No

15. Pond/s creation - "regulation of hazards and extreme events" NCP

58. To what degree was the "regulation of hazards and extreme events" NCP the objective when creating this/these pond/s?

0: It was not an objective

3: High degree

59. How effective this/these pond/s are at regulating the hazards and extreme events?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

60. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

61. Does creating this/these pond/s with the objective of regulation of hazards and extreme events negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

62. If you have confirmed a negative influence of creating this/these pond/s with the objective of regulation of hazards and extreme events on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

63. What is the degree of confidence you have regarding the negative influence of creating this/these pond/s for the regulation of hazards and extreme events on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

16. Pond/s creation - "food and feed" NCP

* 64. Was the provision of "food and feed" NCP the objective when creating this/these pond/s?

The NCP "Food and feed" refers to the: i) production of food from wild, managed, or domesticated organisms, such as fish, crayfish, beef, game, dairy products, edible crops, wild plants, and ii) production of feed (forage and fodder) for domesticated animals (e.g. livestock, work and support animals, pets) or for aquaculture, from the same sources

Yes

No

17. Pond/s creation - "food and feed" NCP

65. To what degree was the "food and feed" NCP the objective when creating this/these pond/s?

0: It was not an objective

3: High degree

66. How effective this/these pond/s are at the provision of food and feed?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

67. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

68. Does creating this/these pond/s with the objective of the provision of food and feed negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

69. If you have confirmed a negative influence of creating this/these pond/s with the objective of the provision of food and feed on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

70. What is the degree of confidence you have regarding the negative influence of creating this/these pond/s for the provision of food and feed on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

18. Pond/s creation - "physical and psychological experiences" NCP

* 71. Was the "physical and psychological experiences" NCP the objective when creating this/these pond/s?

The NCP "Physical and psychological experiences" refers to the provision by ponds and/or pondsapes of opportunities for physically and psychologically beneficial activities, healing, relaxation, recreation, leisure, tourism and aesthetic enjoyment based on the close contact with nature (e.g. hiking, recreational hunting and fishing, birdwatching, snorkeling, diving, gardening)

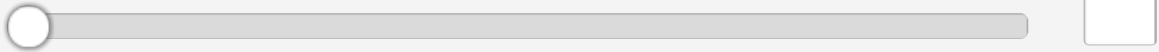
Yes

No

19. Pond/s creation - "physical and psychological experiences" NCP

72. To what degree was the "physical and psychological experiences" NCP the objective when creating this/these pond/s?

0: It was not an objective 3: High degree



73. How effective this/these pond/s are at facilitating the physical and psychological experiences?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

74. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

75. Does creating this/these pond/s with the objective of facilitating physical and psychological experiences negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

76. If you have confirmed a negative influence of creating this/these pond/s with the objective of facilitating physical and psychological experiences on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

77. What is the degree of confidence you have regarding the negative influence of creating this/these pond/s for the facilitation of physical and psychological experiences on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

20. Pond/s creation - "learning and inspiration experiences" NCP

* 78. Was the "learning and inspiration experiences" NCP the objective when creating this/these pond/s?
The NCP "Learning and inspiration experiences" refers to the provision by ponds and/or pondscaapes of opportunities for the development of the capabilities that allow humans to prosper through education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art and technological design (e.g. biomimicry)

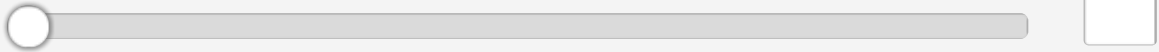
Yes

No

21. Pond/s creation - "learning and inspiration experiences" NCP

79. To what degree was the "learning and inspiration experiences" NCP the objective when creating this/these pond/s?

0: It was not an objective 3: High degree



80. How effective this/these pond/s are at facilitating the learning and inspiration experiences?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

81. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

82. Does creating this/these pond/s with the objective of facilitating learning and inspiration experiences negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

83. If you have confirmed a negative influence of creating this/these pond/s with the objective of facilitating learning and inspiration experiences on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

84. What is the degree of confidence you have regarding the negative influence of creating this/these pond/s for the facilitation of learning and inspiration experiences on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

22. Pond/s creation - "supporting identities" NCP

* 85. Was the "supporting identities" NCP the objective when creating this/these pond/s?

The NCP "Supporting identities" refers to the ponds and/or pondsapes being the basis for religious, spiritual, and social-cohesion experiences: i) provisioning of opportunities by nature for people to develop a sense of place, belonging, rootedness or connectedness, associated with different entities of the living world (e. g. cultural, sacred and heritage landscapes, sounds, scents and sights associated with childhood experiences, iconic animals or flowers), ii) basis for narratives, rituals and celebrations provided by ponds and/or pondsapes, and iii) source of satisfaction derived from knowing that a particular pond or pondsape exists

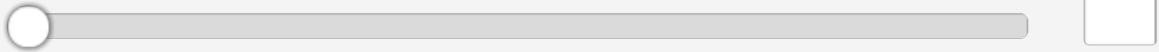
Yes

No

23. Pond/s creation - "supporting identities" NCP

86. To what degree was the "supporting identities" NCP the objective when creating this/these pond/s?

0: It was not an objective 3: High degree



87. How effective this/these pond/s are at supporting identities?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

88. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

89. Does creating this/these pond/s with the objective of supporting identities negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

90. If you have confirmed a negative influence of creating this/these pond/s with the objective of supporting identities on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

91. What is the degree of confidence you have regarding the negative influence of creating this/these pond/s to support identities on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

24. Pond/s creation - "Maintenance of options" NCP

* 92. Was the "Maintenance of options" NCP the objective when creating this/these pond/s?

The NCP "Maintenance of options" refers to the capacity of ponds and/or pondsapes to keep options open in order to support a good quality of life. For example, benefits (including those of future generations) associated with the continued existence of a wide variety of species, populations and genotypes, including their contributions to the resilience and resistance of pond/pondscape properties in the face of environmental change and variability; or future benefits (or threats) derived from keeping options open for yet unknown discoveries and unanticipated uses of particular ponds/pondscapes.

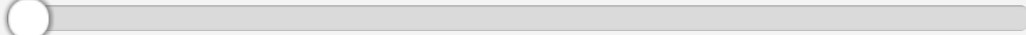
Yes

No

25. Pond/s creation - "Maintenance of options" NCP

93. To what degree was the "maintenance of options" NCP the objective when creating this/these pond/s?

0: It was not an objective 3: High degree



94. How effective this/these pond/s are for the maintenance of options?

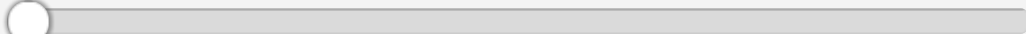
- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

95. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

96. Does creating this/these pond/s with the objective of maintenance of options negatively influence the delivery of any other NCPs?

0: No negative influence on other NCP 3: Many negative influences on other NCPs



97. If you have confirmed a negative influence of creating this/these pond/s with the objective of maintenance of options on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

98. What is the degree of confidence you have regarding the negative influence of creating this/these pond/s for the maintenance of options on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

26. Pond/s creation - final

* 99. Cite the sources of the information where the information detailed here comes from (report, journal article, website links, expert notes) or detail whether the information comes from expert evidence (in the case there are not published references)

* 100. Would you (and your pondscape) be willing to be added as contributor in the European Commission Ponderful deliverable (D4.1. Database on Pondscales) and in the acknowledgements of the scientific publications?

Yes

No

* 101. Would you like to receive the report that will result from this survey?

Yes

No

If yes, to what email?

102. We aim to get local expertise and knowledge on all these issues, if you know the contact of people who is directly working with created, restored or managed ponds and could also answer this questionnaire, could you please add their names and/or contact?

27. Pond/pondscape creation 2

* 103. If you created more than one pond or set of ponds with another purpose as the one described in the questions before, would you like to provide further information about them?

e.g. creating one or several ponds in a site where there was formerly no waterbody

Yes

No

28. Pond/pondscape creation 2

The following questions concern the second most important pond or set of ponds that was/were created with the same purpose (same NbS) in a site where there was formerly no waterbody (you responded "yes" in the previous page).

At the end of this section, you will be asked whether you would like to provide information about other ponds or set of ponds created in the same pondscape with another purpose (another NbS).

* 104. What was done exactly, e.g. number of ponds created, purpose (e.g. leisure, biodiversity)? (max 5000 characters)

105. What was the dominant land cover before the pond/s was/were created?

Select the land cover that appeared most frequently in the landscape where the pond/s was/were created.
CORINE land cover (CLC) nomenclature, European Environment Agency

- Cropland
- Farmland
- Forest
- Grassland
- Pastureland
- Shrubland
- Shrubland mixed with forest
- Shrubland mixed with cropland
- Shrubland mixed with grassland
- Wetlands
- Urban areas
- Industrial, commercial and transport units
- Other (please specify)

106. In what year the negotiation for the creation of the pond/s (e.g. political negotiations/site permissions, etc.) and/or the practical creation of the pond started? Enter 4-digit birth year; for example, 2005

Comment (if needed)

107. Which was the timeframe for the negotiation for the creation of the pond/s (e.g. political negotiations/site permissions, etc.), from the idea to the establishment? Please enter the number of months; for example, 3.

Comment (if needed)

108. How long did it take to create the pond/s in practice (e.g. digging...)? Please enter the number of months; for example, 3.

Comment (if needed)

109. What kind of stakeholders were involved in the creation of the pond/s and in which way?

Skip this stage if you don't have this information.

Formal involvement (e.g. management, formal decision making, etc.)

Informal role (e.g. volunteer, user, etc.)

Civil society: citizens and representatives of active associations

Policy maker: a person responsible for or involved in formulating policies, especially in politics.

Public sector (not policy maker): governments and all publicly controlled or publicly funded agencies, enterprises, and other entities that deliver public programs, goods, or services

Private sector: for-profit businesses run by individuals or companies

Scientific

110. How much money, in Euros, did the creation of the pond/s cost?

e.g. design, land acquisition/rent, insurance and legal fees, equipment rent/ purchase, construction cost, etc.

Skip this stage if you don't have this information.

111. Give a description of the costs provided in the previous question (max 1000 characters)

Skip this stage if you don't have this information.

112. Is/are the pond/s generating any revenue?

Skip this stage if you don't have this information.

- Yes
- No
- If yes, how much per year? (in Euros/year)

113. The following questions focus on different Nature's contributions to people (NCP*) that the pond/s created might have contributed to.

**NCP are defined by IPBES as "all the contributions, both positive and negative, of living nature (i.e. diversity of organisms, ecosystems, and their associated ecological and evolutionary processes) to the quality of life for people*

Was the "creation of habitat for biodiversity" NCP the objective when creating this/these pond/s?

The NCP "creation of habitat for biodiversity" refers to the formation and continued production of habitats for biodiversity. In the case of pondscapes, examples are e.g. growing sites for plants; nesting, feeding, and mating sites for animals; resting and overwintering areas for migratory mammals, birds and butterflies; nurseries for juvenile stages of fish, etc.

- Yes
- No

29. Pond/s creation 2 - "creating habitat for biodiversity" NCP

114. To what degree was the "creating habitat for biodiversity" NCP the objective when creating this/these pond/s?

0: It was not an objective

3: High degree

115. How effective this/these pond/s are at creating habitat for biodiversity?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

116. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

117. Does creating this/these pond/s with the objective of creating habitat for biodiversity negatively influence the delivery of any other NCPs?

- Many negative influences on other NCPs
- Some negative influences on other NCPs
- No negative influences on other NCPs
- Unknown

118. If you have confirmed a negative influence of creating this/these pond/s with the objective of creating habitat for biodiversity on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

119. What is the degree of confidence you have regarding the negative influence of creating this/these pond/s for the creation of habitat for biodiversity on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

30. Pond/s creation 2- "pollination" NCP

* 120. Was the "pollination" NCP the objective when creating this/these pond/s?

The NCP "Pollination" refers to the facilitation of transfer of pollen to a stigma, ovule, flower, or plant to allow fertilization, and dispersal of seeds, larvae or spores

Yes

No

31. Pond/s creation 2 - "pollination" NCP

121. To what degree was the "pollination" NCP the objective when creating this/ these pond/s?

0: It was not an objective

3: High degree

122. How effective this/these pond/s are at facilitating pollination?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

123. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

124. Does creating this/these pond/s with the objective of facilitation of pollination negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

125. If you have confirmed a negative influence of creating this/these pond/s with the objective of facilitation of pollination on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

126. What is the degree of confidence you have regarding the negative influence of creating this/these pond/s for the facilitation of pollination on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

32. Pond/s creation 2- "regulation of climate" NCP

* 127. Was the "regulation of climate" NCP the objective when creating this/these pond/s?

The NCP "Regulation of climate" refers to the climate regulation by ecosystems (including regulation of global warming). It can be produced through: i) positive or negative effects on emissions of greenhouse gases (e.g. biological carbon storage and sequestration; methane emissions from wetlands), and ii) direct and indirect processes involving biogenic volatile organic compounds (BVOC), and regulation of aerosols and aerosol precursors by phytoplankton and terrestrial plants

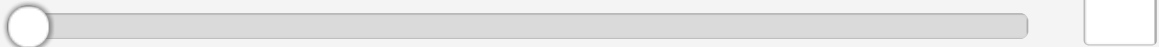
Yes

No

33. Pond/s creation 2 - "regulation of climate" NCP

128. To what degree was the "regulation of climate" NCP the objective when creating this/these pond/s?

0: It was not an objective 3: High degree



129. How effective this/these pond/s are at regulating the climate?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

130. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

131. Does creating this/these pond/s with the objective of regulation of climate negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

132. If you have confirmed a negative influence of creating this/these pond/s with the objective of regulation of climate on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

133. What is the degree of confidence you have regarding the negative influence of creating this/these pond/s for the regulation of climate on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

34. Pond/s creation 2- "regulation of water quantity, location and timing" NCP

* 134. Was the "regulation of water quantity, location and timing" NCP the objective when creating this/these pond/s?

The NCP "Regulation of water quantity, location and timing" refers to the: i) regulation, by ponds, of the quantity, location and timing of the flow of surface and groundwater; ii) regulation of flow to water-dependent natural habitats; and iii) modification of groundwater levels

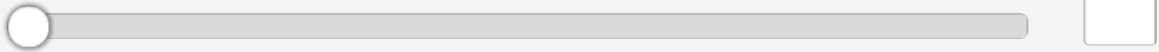
Yes

No

35. Pond/s creation 2 - "regulation of water quantity, location and timing" NCP

135. To what degree was the "regulation of water quantity, location and timing" NCP the objective when creating this/these pond/s?

0: It was not an objective 3: High degree



136. How effective this/these pond/s are at regulating the water quantity, location and timing?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

137. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

138. Does creating this/these pond/s with the objective of regulation of water quantity, location and timing negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

139. If you have confirmed a negative influence of creating this/these pond/s with the objective of regulation of water quantity, location and timing on other NCPs, could you please identify those? *For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).*

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

140. What is the degree of confidence you have regarding the negative influence of creating this/these pond/s for the regulation of water quantity, location and timing on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

36. Pond/s creation 2- "regulation of water quality" NCP

* 141. Was the "regulation of water quality" NCP the objective when creating this/these pond/s?

The NCP "Regulation of water quality" refers to the influence of ponds on water quality through filtration of particles, pathogens, excess nutrients, and other chemicals

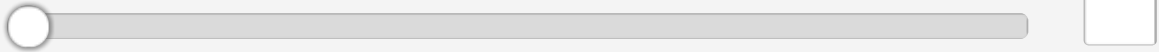
Yes

No

37. Pond/s creation 2 - "regulation of water quality" NCP

142. To what degree was the "regulation of water quality" NCP the objective when creating this/these pond/s?

0: It was not an objective 3: High degree



143. How effective this/these pond/s are at regulating the water quality?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

144. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

145. Does creating this/these pond/s with the objective of regulation of water quality negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

146. If you have confirmed a negative influence of creating this/these pond/s with the objective of regulation of water quality on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

147. What is the degree of confidence you have regarding the negative influence of creating this/these pond/s for the regulation of water quality on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

38. Pond/s creation 2- "regulation of hazards and extreme events" NCP

* 148. Was the regulation of "regulation of hazards and extreme events" NCP the objective when creating this/these pond/s?

The NCP "Regulation of hazards and extreme events" refers to the potential of ponds to mitigate the impacts of floods, storms, heat waves, fires, seawater intrusion, tidal waves, etc.

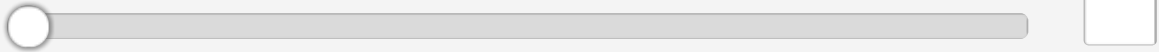
Yes

No

39. Pond/s creation 2 - "regulation of hazards and extreme events" NCP

149. To what degree was the "regulation of hazards and extreme events" NCP the objective when creating this/these pond/s?

0: It was not an objective 3: High degree



150. How effective this/these pond/s are at regulating the hazards and extreme events?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

151. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

152. Does creating this/these pond/s with the objective of regulation of hazards and extreme events negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

153. If you have confirmed a negative influence of creating this/these pond/s with the objective of regulation of hazards and extreme events on other NCPs, could you please identify those?
For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

154. What is the degree of confidence you have regarding the negative influence of creating this/these pond/s for the regulation of hazards and extreme events on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

40. Pond/s creation 2- "food and feed" NCP

* 155. Was the "food and feed" NCP the objective when creating this/these pond/s?

The NCP "Food and feed" refers to the: i) production of food from wild, managed, or domesticated organisms, such as fish, crayfish, beef, game, dairy products, edible crops, wild plants, and ii) production of feed (forage and fodder) for domesticated animals (e.g. livestock, work and support animals, pets) or for aquaculture, from the same sources

Yes

No

41. Pond/s creation 2 - "food and feed" NCP

156. To what degree was the "food and feed" NCP the objective when creating this/these pond/s?

0: It was not an objective

3: High degree

157. How effective this/these pond/s are at the provision of food and feed?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

158. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

159. Does creating this/these pond/s with the objective of the provision of food and feed negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

160. If you have confirmed a negative influence of creating this/these pond/s with the objective of the provision of food and feed on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

161. What is the degree of confidence you have regarding the negative influence of creating this/these pond/s for the provision of food and feed on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

42. Pond/s creation 2- "physical and psychological experiences" NCP

* 162. Was the "physical and psychological experiences" NCP the objective when creating this/these pond/s?

The NCP "Physical and psychological experiences" refers to the provision by ponds and/or pondsapes of opportunities for physically and psychologically beneficial activities, healing, relaxation, recreation, leisure, tourism and aesthetic enjoyment based on the close contact with nature (e.g. hiking, recreational hunting and fishing, birdwatching, snorkeling, diving, gardening)

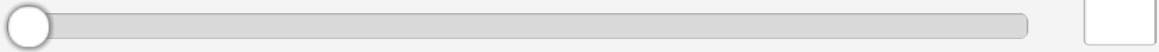
Yes

No

43. Pond/s creation 2 - "physical and psychological experiences" NCP

163. To what degree was the "physical and psychological experiences" NCP the objective when creating this/these pond/s?

0: It was not an objective 3: High degree



164. How effective this/these pond/s are at facilitating the physical and psychological experiences?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

165. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

166. Does creating this/these pond/s with the objective of facilitating physical and psychological experiences negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

167. If you have confirmed a negative influence of creating this/these pond/s with the objective of facilitating physical and psychological experiences on other NCPs, could you please identify those? For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

168. What is the degree of confidence you have regarding the negative influence of creating this/these pond/s for the facilitation of physical and psychological experiences on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

44. Pond/s creation 2- "learning and inspiration experiences" NCP

* 169. Was the "learning and inspiration experiences" NCP the objective when creating this/these pond/s?
The NCP "Learning and inspiration experiences" refers to the provision by ponds and/or pondsapes of opportunities for the development of the capabilities that allow humans to prosper through education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art and technological design (e.g. biomimicry)

Yes

No

45. Pond/s creation 2 - "learning and inspiration experiences" NCP

170. To what degree was the "learning and inspiration experiences" NCP the objective when creating this/these pond/s?

0: It was not an objective

3: High degree

171. How effective this/these pond/s are at facilitating the learning and inspiration experiences?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

172. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

173. Does creating this/these pond/s with the objective of facilitating learning and inspiration experiences negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

174. If you have confirmed a negative influence of creating this/these pond/s with the objective of facilitating learning and inspiration experiences on other NCPs, could you please identify those? For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

175. What is the degree of confidence you have regarding the negative influence of creating this/these pond/s for the facilitation of learning and inspiration experiences on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

46. Pond/s creation 2- "supporting identities" NCP

* 176. Was the "supporting identities" NCP the objective when creating this/these pond/s?

The NCP "Supporting identities" refers to the ponds and/or pondsapes being the basis for religious, spiritual, and social-cohesion experiences: i) provisioning of opportunities by nature for people to develop a sense of place, belonging, rootedness or connectedness, associated with different entities of the living world (e. g. cultural, sacred and heritage landscapes, sounds, scents and sights associated with childhood experiences, iconic animals or flowers), ii) basis for narratives, rituals and celebrations provided by ponds and/or pondsapes, and iii) source of satisfaction derived from knowing that a particular pond or pondsape exists

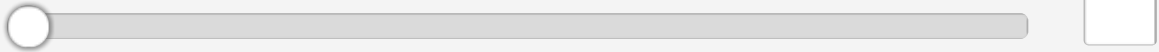
Yes

No

47. Pond/s creation 2 - "supporting identities" NCP

177. To what degree was the "supporting identities" NCP the objective when creating this/these pond/s?

0: It was not an objective 3: High degree



178. How effective this/these pond/s are at supporting identities?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

179. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

180. Does creating this/these pond/s with the objective of supporting identities negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

181. If you have confirmed a negative influence of creating this/these pond/s with the objective of supporting identities on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

182. What is the degree of confidence you have regarding the negative influence of creating this/these pond/s to support identities on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

48. Pond/s creation 2- "Maintenance of options" NCP

* 183. Was the "maintenance of options" NCP the objective when creating this/these pond/s?

The NCP "Maintenance of options" refers to the capacity of ponds and/or pondscape to keep options open in order to support a good quality of life. For example, benefits (including those of future generations) associated with the continued existence of a wide variety of species, populations and genotypes, including their contributions to the resilience and resistance of pond/pondscape properties in the face of environmental change and variability; or future benefits (or threats) derived from keeping options open for yet unknown discoveries and unanticipated uses of particular ponds/pondscapes.

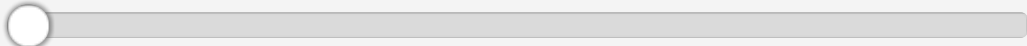
Yes

No

49. Pond/s creation 2 - "Maintenance of options" NCP

184. To what degree was the "maintenance of options" NCP the objective when creating this/these pond/s?

0: It was not an objective 3: High degree



185. How effective this/these pond/s are for the maintenance of options?

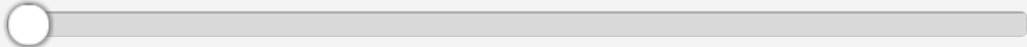
- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

186. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

187. Does creating this/these pond/s with the objective of maintenance of options negatively influence the delivery of any other NCPs?

0: No negative influence on other NCP 3: Many negative influences on other NCPs



188. If you have confirmed a negative influence of creating this/these pond/s with the objective of maintenance of options on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

189. What is the degree of confidence you have regarding the negative influence of creating this/these pond/s for the maintenance of options on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

50. Pond/s creation 2- final

* 190. Cite the sources of the information where the information detailed here comes from (report, journal article, website links, expert notes) or detail whether the information comes from expert evidence (in the case there are not published references)

* 191. Would you (and your pondscape) be willing to be added as contributor in the European Commission Ponderful deliverable (D4.1. Database on Pondscales) and in the acknowledgements of the scientific publications?

Yes

No

* 192. Would you like to receive the report that will result from this survey?

Yes

No

If yes, to what email?

193. We aim to get local expertise and knowledge on all these issues, if you know the contact of people who is directly working with created, restored or managed ponds and could also answer this questionnaire, could you please add their names and/or contact?

51. Pond/pondscape creation 3

* 194. If you created a third pond or set of ponds with another purpose as the one described in the questions before, would you like to provide further information about them?

e.g. creating one or several ponds in a site where there was formerly no waterbody

Yes

No

52. Pond/pondscape creation 3

The following questions concern the third most important pond or set of ponds that was/were created with the same purpose (same NbS) in a site where there was formerly no waterbody (you responded "yes" in the previous page).

* 195. What was done exactly, e.g. number of ponds created, purpose (e.g. leisure, biodiversity)? (max 5000 characters)

196. What was the dominant land cover before the pond/s was/were created?

Select the land cover that appeared most frequently in the landscape where the pond/s was/were created.

CORINE land cover (CLC) nomenclature, European Environment Agency

- Cropland
- Farmland
- Forest
- Grassland
- Pastureland
- Shrubland
- Shrubland mixed with forest
- Shrubland mixed with cropland
- Shrubland mixed with grassland
- Wetland
- Urban areas
- Industrial, commercial and transport units
- Other (please specify)

197. In what year the negotiation for the creation of the pond/s (e.g. political negotiations/site permissions, etc.) and/or the practical creation of the pond started? Enter 4-digit birth year; for example, 2005

Comment (if needed)

198. Which was the timeframe for the negotiation for the creation of the pond/s (e.g. political negotiations/site permissions, etc.), from the idea to the establishment? Please enter the number of months; for example, 3.

Comment (if needed)

199. How long did it take to create the pond/s in practice (e.g. digging...)? Please enter the number of months; for example, 3.

Comment (if needed)

200. What kind of stakeholders were involved in the creation of the pond/s and in which way?

Skip this stage if you don't have this information.

	Formal involvement (e.g. management, formal decision making, etc.)	Informal role (e.g. volunteer, user, etc.)
Civil society: citizens and representatives of active associations	<input type="radio"/>	<input type="radio"/>
Policy maker: a person responsible for or involved in formulating policies, especially in politics.	<input type="radio"/>	<input type="radio"/>
Public sector (not policy maker): governments and all publicly controlled or publicly funded agencies, enterprises, and other entities that deliver public programs, goods, or services	<input type="radio"/>	<input type="radio"/>
Private sector: for-profit businesses run by individuals or companies	<input type="radio"/>	<input type="radio"/>
Scientific	<input type="radio"/>	<input type="radio"/>

201. How much money, in Euros, did the creation of the pond/s cost?

e.g. design, land acquisition/rent, insurance and legal fees, equipment rent/ purchase, construction cost, etc.

Skip this stage if you don't have this information.

202. Give a description of the costs provided in the previous question (max 1000 characters)

Skip this stage if you don't have this information.

203. Is/are the pond/s generating any revenue?

Skip this stage if you don't have this information.

Yes

No

If yes, how much per year? (in Euros/year)

204. The following questions focus on different Nature's contributions to people (NCP*) that the pond/s created might have contributed to.

**NCP are defined by IPBES as "all the contributions, both positive and negative, of living nature (i.e. diversity of organisms, ecosystems, and their associated ecological and evolutionary processes) to the quality of life for people*

Was the "creation and maintenance of habitat" NCP the objective when creating this/these pond/s? *The NCP "Creation and maintenance of habitat" refers to the formation and continued production of habitats for biodiversity. In the case of pondscapes, examples are e.g. growing sites for plants; nesting, feeding, and mating sites for animals; resting and overwintering areas for migratory mammals, birds and butterflies; nurseries for juvenile stages of fish, etc.*

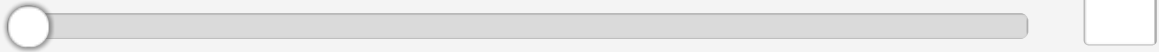
Yes

No

53. Pond/s creation 3 - "creating habitat for biodiversity" NCP

205. To what degree was the "creating habitat for biodiversity" NCP the objective when creating this/these pond/s?

0: It was not an objective 3: High degree



206. How effective this/these pond/s are at creating habitat for biodiversity?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

207. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

208. Does creating this/these pond/s with the objective of creating habitat for biodiversity negatively influence the delivery of any other NCPs?

- Many negative influences on other NCPs
- Some negative influences on other NCPs
- No negative influences on other NCPs
- Unknown

209. If you have confirmed a negative influence of creating this/these pond/s with the objective of creating habitat for biodiversity on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

210. What is the degree of confidence you have regarding the negative influence of creating this/these pond/s for the creation of habitat for biodiversity on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

54. Pond/s creation 3- "pollination" NCP

* 211. Was the "pollination" NCP the objective when creating this/these pond/s?

The NCP "Pollination" refers to the facilitation of transfer of pollen to a stigma, ovule, flower, or plant to allow fertilization, and dispersal of seeds, larvae or spores

Yes

No

55. Pond/s creation 3 - "pollination" NCP

212. To what degree was the "pollination" NCP the objective when creating this/ these pond/s?

0: It was not an objective

3: High degree

213. How effective this/these pond/s are at facilitating pollination?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

214. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

215. Does creating this/these pond/s with the objective of facilitation of pollination negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

216. If you have confirmed a negative influence of creating this/these pond/s with the objective of facilitation of pollination on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

217. What is the degree of confidence you have regarding the negative influence of creating this/these pond/s for the facilitation of pollination on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

56. Pond/s creation 3- "regulation of climate" NCP

* 218. Was the "regulation of climate" NCP the objective when creating this/these pond/s?

The NCP "Regulation of climate" refers to the climate regulation by ecosystems (including regulation of global warming). It can be produced through: i) positive or negative effects on emissions of greenhouse gases (e.g. biological carbon storage and sequestration; methane emissions from wetlands), and ii) direct and indirect processes involving biogenic volatile organic compounds (BVOC), and regulation of aerosols and aerosol precursors by phytoplankton and terrestrial plants

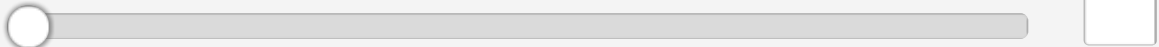
Yes

No

57. Pond/s creation 3 - "regulation of climate" NCP

219. To what degree was the "regulation of climate" NCP the objective when creating this/these pond/s?

0: It was not an objective 3: High degree



220. How effective this/these pond/s are at regulating the climate?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

221. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

222. Does creating this/these pond/s with the objective of regulation of climate negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

223. If you have confirmed a negative influence of creating this/these pond/s with the objective of regulation of climate on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

224. What is the degree of confidence you have regarding the negative influence of creating this/these pond/s for the regulation of climate on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

58. Pond/s creation 3- "regulation of water quantity, location and timing" NCP

* 225. Was the "regulation of water quantity, location and timing" NCP the objective when creating this/these pond/s?

The NCP "Regulation of water quantity, location and timing" refers to the: i) regulation, by ponds, of the quantity, location and timing of the flow of surface and groundwater; ii) regulation of flow to water-dependent natural habitats; and iii) modification of groundwater levels

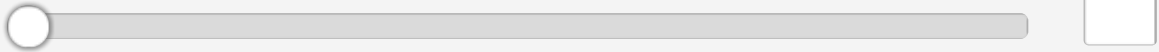
Yes

No

59. Pond/s creation 3 - "regulation of water quantity, location and timing" NCP

226. To what degree was the "regulation of water quantity, location and timing" NCP the objective when creating this/these pond/s?

0: It was not an objective 3: High degree



227. How effective this/these pond/s are at regulating the water quantity, location and timing?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

228. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

229. Does creating this/these pond/s with the objective of regulation of water quantity, location and timing negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

230. If you have confirmed a negative influence of creating this/these pond/s with the objective of regulation of water quantity, location and timing on other NCPs, could you please identify those? *For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).*

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

231. What is the degree of confidence you have regarding the negative influence of creating this/these pond/s for the regulation of water quantity, location and timing on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

60. Pond/s creation 3- "regulation of water quality" NCP

* 232. Was the "regulation of water quality" NCP the objective when creating this/these pond/s?

The NCP "Regulation of water quality" refers to the influence of ponds on water quality through filtration of particles, pathogens, excess nutrients, and other chemicals

Yes

No

61. Pond/s creation 3 - "regulation of water quality" NCP

233. To what degree was the "regulation of water quality" NCP the objective when creating this/these pond/s?

0: It was not an objective

3: High degree

234. How effective this/these pond/s are at regulating the water quality?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

235. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

236. Does creating this/these pond/s with the objective of regulation of water quality negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

237. If you have confirmed a negative influence of creating this/these pond/s with the objective of regulation of water quality on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

238. What is the degree of confidence you have regarding the negative influence of creating this/these pond/s for the regulation of water quality on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

62. Pond/s creation 3- "regulation of hazards and extreme events" NCP

* 239. Was the "regulation of hazards and extreme events" NCP the objective when creating this/these pond/s?

The NCP "Regulation of hazards and extreme events" refers to the potential of ponds to mitigate the impacts of floods, storms, heat waves, fires, seawater intrusion, tidal waves, etc.

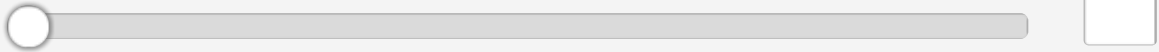
Yes

No

63. Pond/s creation 3 - "regulation of hazards and extreme events" NCP

240. To what degree was the "regulation of hazards and extreme events" NCP the objective when creating this/these pond/s?

0: It was not an objective 3: High degree



241. How effective this/these pond/s are at regulating the hazards and extreme events?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

242. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

243. Does creating this/these pond/s with the objective of regulation of hazards and extreme events negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

244. If you have confirmed a negative influence of creating this/these pond/s with the objective of regulation of hazards and extreme events on other NCPs, could you please identify those?
For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

245. What is the degree of confidence you have regarding the negative influence of creating this/these pond/s for the regulation of hazards and extreme events on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

64. Pond/s creation 3- "food and feed" NCP

* 246. Was the "food and feed" NCP the objective when creating this/these pond/s?

The NCP "Food and feed" refers to the: i) production of food from wild, managed, or domesticated organisms, such as fish, crayfish, beef, game, dairy products, edible crops, wild plants, and ii) production of feed (forage and fodder) for domesticated animals (e.g. livestock, work and support animals, pets) or for aquaculture, from the same sources

Yes

No

65. Pond/s creation 3 - "food and feed" NCP

247. To what degree was the "food and feed" NCP the objective when creating this/these pond/s?

0: It was not an objective

3: High degree

248. How effective this/these pond/s are at the provision of food and feed?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

249. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

250. Does creating this/these pond/s with the objective of the provision of food and feed negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

251. If you have confirmed a negative influence of creating this/these pond/s with the objective of the provision of food and feed on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

252. What is the degree of confidence you have regarding the negative influence of creating this/these pond/s for the provision of food and feed on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

66. Pond/s creation 3- "physical and psychological experiences" NCP

* 253. Was the "physical and psychological experiences" NCP the objective when creating this/these pond/s?

The NCP "Physical and psychological experiences" refers to the provision by ponds and/or pondsapes of opportunities for physically and psychologically beneficial activities, healing, relaxation, recreation, leisure, tourism and aesthetic enjoyment based on the close contact with nature (e.g. hiking, recreational hunting and fishing, birdwatching, snorkeling, diving, gardening)

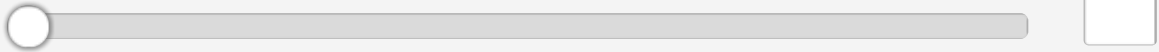
Yes

No

67. Pond/s creation 3 - "physical and psychological experiences" NCP

254. To what degree was the "physical and psychological experiences" NCP the objective when creating this/these pond/s?

0: It was not an objective 3: High degree



255. How effective this/these pond/s are at facilitating the physical and psychological experiences?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

256. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

257. Does creating this/these pond/s with the objective of facilitating physical and psychological experiences negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

258. If you have confirmed a negative influence of creating this/these pond/s with the objective of facilitating physical and psychological experiences on other NCPs, could you please identify those? For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

259. What is the degree of confidence you have regarding the negative influence of creating this/these pond/s for the facilitation of physical and psychological experiences on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

68. Pond/s creation 3- "learning and inspiration experiences" NCP

* 260. Was the "learning and inspiration experiences" NCP the objective when creating this/these pond/s?
The NCP "Learning and inspiration experiences" refers to the provision by ponds and/or pondscares of opportunities for the development of the capabilities that allow humans to prosper through education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art and technological design (e.g. biomimicry)

Yes

No

69. Pond/s creation 3 - "learning and inspiration experiences" NCP

261. To what degree was the "learning and inspiration experiences" NCP the objective when creating this/these pond/s?

0: It was not an objective

3: High degree

262. How effective this/these pond/s are at facilitating the learning and inspiration experiences?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

263. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

264. Does creating this/these pond/s with the objective of facilitating learning and inspiration experiences negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

265. If you have confirmed a negative influence of creating this/these pond/s with the objective of facilitating learning and inspiration experiences on other NCPs, could you please identify those? For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

266. What is the degree of confidence you have regarding the negative influence of creating this/these pond/s for the facilitation of learning and inspiration experiences on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

70. Pond/s creation 3- "supporting identities" NCP

* 267. Was the "supporting identities" NCP the objective when creating this/these pond/s?

The NCP "Supporting identities" refers to the ponds and/or pondsapes being the basis for religious, spiritual, and social-cohesion experiences: i) provisioning of opportunities by nature for people to develop a sense of place, belonging, rootedness or connectedness, associated with different entities of the living world (e. g. cultural, sacred and heritage landscapes, sounds, scents and sights associated with childhood experiences, iconic animals or flowers), ii) basis for narratives, rituals and celebrations provided by ponds and/or pondsapes, and iii) source of satisfaction derived from knowing that a particular pond or pondsape exists

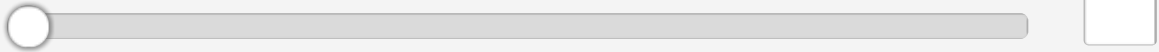
Yes

No

71. Pond/s creation 3 - "supporting identities" NCP

268. To what degree was the "supporting identities" NCP the objective when creating this/these pond/s?

0: It was not an objective 3: High degree



269. How effective this/these pond/s are at supporting identities?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

270. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

271. Does creating this/these pond/s with the objective of supporting identities negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

272. If you have confirmed a negative influence of creating this/these pond/s with the objective of supporting identities on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

273. What is the degree of confidence you have regarding the negative influence of creating this/these pond/s to support identities on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

72. Pond/s creation 3- "Maintenance of options" NCP

* 274. Was the "maintenance of options" NCP the objective when creating this/these pond/s?

The NCP "Maintenance of options" refers to the capacity of ponds and/or pondscape to keep options open in order to support a good quality of life. For example, benefits (including those of future generations) associated with the continued existence of a wide variety of species, populations and genotypes, including their contributions to the resilience and resistance of pond/pondscape properties in the face of environmental change and variability; or future benefits (or threats) derived from keeping options open for yet unknown discoveries and unanticipated uses of particular ponds/pondscapes.

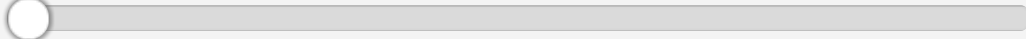
Yes

No

73. Pond/s creation 3 - "Maintenance of options" NCP

275. To what degree was the "maintenance of options" NCP the objective when creating this/these pond/s?

0: It was not an objective 3: High degree



276. How effective this/these pond/s are for the maintenance of options?

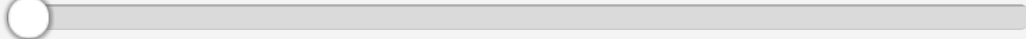
- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

277. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

278. Does creating this/these pond/s with the objective of maintenance of options negatively influence the delivery of any other NCPs?

0: No negative influence on other NCP 3: Many negative influences on other NCPs



279. If you have confirmed a negative influence of creating this/these pond/s with the objective of maintenance of options on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

280. What is the degree of confidence you have regarding the negative influence of creating this/these pond/s for the maintenance of options on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

74. Pond/s creation 3- final

* 281. Cite the sources of the information where the information detailed here comes from (report, journal article, website links, expert notes) or detail whether the information comes from expert evidence (in the case there are not published references)

* 282. Would you (and your pondscape) be willing to be added as contributor in the European Commission Ponderful deliverable (D4.1. Database on Pondscales) and in the acknowledgements of the scientific publications?

Yes

No

* 283. Would you like to receive the report that will result from this survey?

Yes

No

If yes, to what email?

284. We aim to get local expertise and knowledge on all these issues, if you know the contact of people who is directly working with created, restored or managed ponds and could also answer this questionnaire, could you please add their names and/or contact?

75. Pond/pondscape restoration

e.g. digging a pond in a place where formerly a pond was existing; regenerating a landfilled pond; undertaking important transformations on an existing pond that was functionally lost (e.g. depth, morphometry, slopes, shoreline design, flora or fauna)

* 285. Is your chosen example of NbS the restoration of a pond or several ponds?

By responding "No" to a particular type of NbS, you will skip all the questions regarding this NbS.

- Yes
- Yes, but the pond/s restored are the exact same one/s as the ones that were created, with the same objectives and the same NCP affected
- No

76. Pond/pondscape restoration

The following questions concern the pond or ponds that were restored (you responded "yes" in the previous page)

* 286. What kind of restoration did you perform?

- Creating or restoring a pond in a site where formerly a pond was existing, e.g. excavating a pond that had been filled in
- Significant alterations to an existing pond, e.g. depth, morphometry, slopes, shoreline design, shflora or fauna
- Other (please specify)

* 287. What was done exactly, e.g. number of ponds restored, purpose (e.g. leisure, biodiversity)? (max 5000 characters)

288. In what year the negotiation for the restoration of the pond/s (e.g. political negotiations/site permissions, etc.) and/or the practical restoration of the pond started? Enter 4-digit birth year; for example, 2005

Comment (if needed)

289. Which was the timeframe for the negotiation for the restoration of the pond/s (e.g. political negotiations/site permissions, etc.), from the idea to the establishment? Please enter the number of months; for example, 3.

Comment (if needed)

290. How long did it take to restore the pond/s in practice (e.g. digging...)? Please enter the number of months; for example, 3.

Comment (if needed)

291. What kind of stakeholders were involved in the restoration of the pond/s and in which way?

Skip this stage if you don't have this information.

	Formal involvement (e.g. management, formal decision making, etc.)	Informal role (e.g. volunteer, user, etc.)
Civil society: citizens and representatives of active associations	<input type="radio"/>	<input type="radio"/>
Policy maker: a person responsible for or involved in formulating policies, especially in politics.	<input type="radio"/>	<input type="radio"/>
Public sector (not policy maker): governments and all publicly controlled or publicly funded agencies, enterprises, and other entities that deliver public programs, goods, or services	<input type="radio"/>	<input type="radio"/>
Private sector: for-profit businesses run by individuals or companies	<input type="radio"/>	<input type="radio"/>
Scientific	<input type="radio"/>	<input type="radio"/>

292. How much money, in Euros, did the restoration of the pond/s cost?

e.g. design, land acquisition/rent, insurance and legal fees, equipment rent/ purchase, construction cost, etc.

Skip this stage if you don't have this information.

293. Give a description of the costs provided in the previous question (max 1000 characters)

Skip this stage if you don't have this information.

294. Is/are the pond/s generating any revenue?

Skip this stage if you don't have this information.

- Yes
- No
- If yes, how much per year? (in Euros/year)

295. The following questions focus on different Nature's contributions to people (NCP*) that the pond/s restored might have contributed to.

**NCP are defined by IPBES as "all the contributions, both positive and negative, of living nature (i.e. diversity of organisms, ecosystems, and their associated ecological and evolutionary processes) to the quality of life for people*

Was the "creation of habitat for biodiversity" NCP the objective when restoring this/these pond/s?

The NCP "creation of habitat for biodiversity" refers to the formation and continued production of habitats for biodiversity. In the case of pondscapes, examples are e.g. growing sites for plants; nesting, feeding, and mating sites for animals; resting and overwintering areas for migratory mammals, birds and butterflies; nurseries for juvenile stages of fish, etc.

Yes

No

77. Pond/s restoration - "creation of habitat for biodiversity" NCP

296. To what degree was the "creation of habitat for biodiversity" NCP the objective when restoring this/these pond/s?

0: It was not an objective

3: High degree

297. How effective this/these pond/s are at creating habitat for biodiversity?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

298. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

299. Does restoring this/these pond/s with the objective of creating habitat for biodiversity negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

300. If you have confirmed a negative influence of restoring this/these pond/s with the objective of creating habitat for biodiversity on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

301. What is the degree of confidence you have regarding the negative influence of restoring this/these pond/s for the creation of habitat for biodiversity on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

78. Pond/s restoration - "pollination" NCP

* 302. Was the "pollination" NCP the objective when restoring this/these pond/s?

The NCP "Pollination" refers to the facilitation of transfer of pollen to a stigma, ovule, flower, or plant to allow fertilization, and dispersal of seeds, larvae or spores

Yes

No

79. Pond/s restoration - "pollination" NCP

303. To what degree was the "pollination" NCP the objective when restoring this/ these pond/s?

0: It was not an objective

3: High degree

304. How effective this/these pond/s are at facilitating pollination?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

305. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

306. Does restoring this/these pond/s with the objective of facilitation of pollination negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

307. If you have confirmed a negative influence of restoring this/these pond/s with the objective of facilitation of pollination on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

308. What is the degree of confidence you have regarding the negative influence of restoring this/these pond/s for the facilitation of pollination on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

80. Pond/s restoration - "regulation of climate" NCP

* 309. Was the "regulation of climate" NCP the objective when restoring this/these pond/s?

The NCP "Regulation of climate" refers to the climate regulation by ecosystems (including regulation of global warming). It can be produced through: i) positive or negative effects on emissions of greenhouse gases (e.g. biological carbon storage and sequestration; methane emissions from wetlands), and ii) direct and indirect processes involving biogenic volatile organic compounds (BVOC), and regulation of aerosols and aerosol precursors by phytoplankton and terrestrial plants

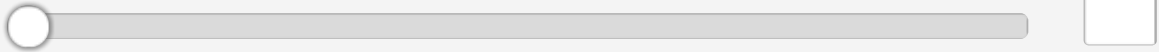
Yes

No

81. Pond/s restoration - "regulation of climate" NCP

310. To what degree was the "regulation of climate" NCP the objective when restoring this/these pond/s?

0: It was not an objective 3: High degree



311. How effective this/these pond/s are at regulating the climate?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

312. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

313. Does restoring this/these pond/s with the objective of regulation of climate negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

314. If you have confirmed a negative influence of restoring this/these pond/s with the objective of regulation of climate on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

315. What is the degree of confidence you have regarding the negative influence of restoring this/these pond/s for the regulation of climate on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

82. Pond/s restoration - "regulation of water quantity, location and timing" NCP

* 316. Was the "regulation of water quantity, location and timing" NCP the objective when restoring this/these pond/s?

The NCP "Regulation of water quantity, location and timing" refers to the: i) regulation, by ponds, of the quantity, location and timing of the flow of surface and groundwater; ii) regulation of flow to water-dependent natural habitats; and iii) modification of groundwater levels

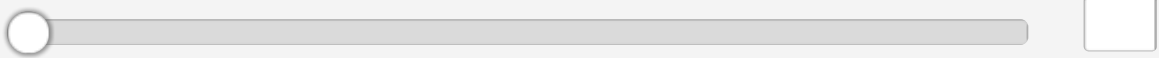
Yes

No

83. Pond/s restoration - "regulation of water quantity, location and timing" NCP

317. To what degree was the regulation of water quantity, location and timing the objective when restoring this/these pond/s?

0: It was not an objective 3: High degree



318. How effective this/these pond/s are at regulating the water quantity, location and timing?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

319. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

320. Does restoring this/these pond/s with the objective of regulation of water quantity, location and timing negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

321. If you have confirmed a negative influence of restoring this/these pond/s with the objective of regulation of water quantity, location and timing on other NCPs, could you please identify those? *For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).*

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

322. What is the degree of confidence you have regarding the negative influence of restoring this/these pond/s for the regulation of water quantity, location and timing on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

84. Pond/s restoration - "regulation of water quality" NCP

* 323. Was the "regulation of water quality" NCP the objective when restoring this/these pond/s?

The NCP "Regulation of water quality" refers to the influence of ponds on water quality through filtration of particles, pathogens, excess nutrients, and other chemicals

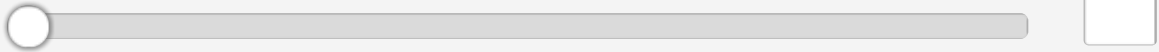
Yes

No

85. Pond/s restoration - "regulation of water quality" NCP

324. To what degree was the "regulation of water quality" NCP the objective when restoring this/these pond/s?

0: It was not an objective 3: High degree



325. How effective this/these pond/s are at regulating the water quality?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

326. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

327. Does restoring this/these pond/s with the objective of regulation of water quality negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

328. If you have confirmed a negative influence of restoring this/these pond/s with the objective of regulation of water quality on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

329. What is the degree of confidence you have regarding the negative influence of restoring this/these pond/s for the regulation of water quality on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

86. Pond/s restoration - "regulation of hazards and extreme events" NCP

* 330. Was the "regulation of hazards and extreme events" NCP the objective when restoring this/these pond/s?

The NCP "Regulation of hazards and extreme events" refers to the potential of ponds to mitigate the impacts of floods, storms, heat waves, fires, seawater intrusion, tidal waves, etc.

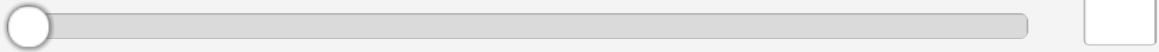
Yes

No

87. Pond/s restoration - "regulation of hazards and extreme events" NCP

331. To what degree was the "regulation of hazards and extreme events" NCP the objective when restoring this/these pond/s?

0: It was not an objective 3: High degree



332. How effective this/these pond/s are at regulating the hazards and extreme events?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

333. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

334. Does restoring this/these pond/s with the objective of regulation of hazards and extreme events negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

335. If you have confirmed a negative influence of restoring this/these pond/s with the objective of regulation of hazards and extreme events on other NCPs, could you please identify those?
For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

336. What is the degree of confidence you have regarding the negative influence of restoring this/these pond/s for the regulation of hazards and extreme events on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

88. Pond/s restoration - "food and feed" NCP

* 337. Was the "food and feed" NCP the objective when restoring this/these pond/s?

The NCP "Food and feed" refers to the: i) production of food from wild, managed, or domesticated organisms, such as fish, crayfish, beef, game, dairy products, edible crops, wild plants, and ii) production of feed (forage and fodder) for domesticated animals (e.g. livestock, work and support animals, pets) or for aquaculture, from the same sources

Yes

No

89. Pond/s restoration - "food and feed" NCP

338. To what degree was the "food and feed" NCP the objective when restoring this/these pond/s?

0: It was not an objective

3: High degree

339. How effective this/these pond/s are at the provision of food and feed?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

340. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

341. Does restoring this/these pond/s with the objective of the provision of food and feed negatively influence the delivery of any other NCPs?

0: No negative influence on other NCP

3: Many negative influences on other NCPs

342. If you have confirmed a negative influence of restoring this/these pond/s with the objective of the provision of food and feed on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

343. What is the degree of confidence you have regarding the negative influence of restoring this/these pond/s for the provision of food and feed on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

90. Pond/s restoration - "physical and psychological experiences" NCP

* 344. Was the "physical and psychological experiences" NCP the objective when restoring this/these pond/s?

The NCP "Physical and psychological experiences" refers to the provision by ponds and/or pondsapes of opportunities for physically and psychologically beneficial activities, healing, relaxation, recreation, leisure, tourism and aesthetic enjoyment based on the close contact with nature (e.g. hiking, recreational hunting and fishing, birdwatching, snorkeling, diving, gardening)

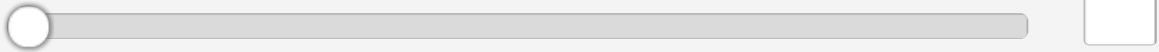
Yes

No

91. Pond/s restoration - "physical and psychological experiences" NCP

345. To what degree was the "physical and psychological experiences" NCP the objective when restoring this/these pond/s?

0: It was not an objective 3: High degree



346. How effective this/these pond/s are at facilitating the physical and psychological experiences?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

347. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

348. Does restoring this/these pond/s with the objective of facilitating physical and psychological experiences negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

349. If you have confirmed a negative influence of restoring this/these pond/s with the objective of facilitating physical and psychological experiences on other NCPs, could you please identify those? For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

350. What is the degree of confidence you have regarding the negative influence of restoring this/these pond/s for the facilitation of physical and psychological experiences on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

92. Pond/s restoration - "learning and inspiration experiences" NCP

* 351. Was the "learning and inspiration experiences" NCP the objective when restoring this/these pond/s?
The NCP "Learning and inspiration experiences" refers to the provision by ponds and/or pondsapes of opportunities for the development of the capabilities that allow humans to prosper through education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art and technological design (e.g. biomimicry)

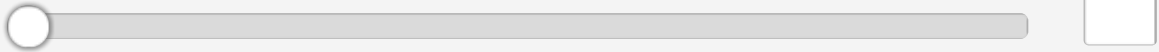
Yes

No

93. Pond/s restoration - "learning and inspiration experiences" NCP

352. To what degree was the "learning and inspiration experiences" NCP the objective when restoring this/these pond/s?

0: It was not an objective 3: High degree



353. How effective this/these pond/s are at facilitating the learning and inspiration experiences?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

354. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

355. Does restoring this/these pond/s with the objective of facilitating learning and inspiration experiences negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

356. If you have confirmed a negative influence of restoring this/these pond/s with the objective of facilitating learning and inspiration experiences on other NCPs, could you please identify those?
For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

357. What is the degree of confidence you have regarding the negative influence of restoring this/these pond/s for the facilitation of learning and inspiration experiences on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

94. Pond/s restoration - "supporting identities" NCP

* 358. Was the "supporting identities" NCP the objective when restoring this/these pond/s?

The NCP "Supporting identities" refers to the ponds and/or pondscapes being the basis for religious, spiritual, and social-cohesion experiences: i) provisioning of opportunities by nature for people to develop a sense of place, belonging, rootedness or connectedness, associated with different entities of the living world (e. g. cultural, sacred and heritage landscapes, sounds, scents and sights associated with childhood experiences, iconic animals or flowers), ii) basis for narratives, rituals and celebrations provided by ponds and/or pondscapes, and iii) source of satisfaction derived from knowing that a particular pond or pondscape exists

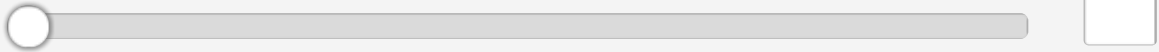
Yes

No

95. Pond/s restoration - "supporting identities" NCP

359. To what degree was the "supporting identities" NCP the objective when restoring this/these pond/s?

0: It was not an objective 3: High degree



360. How effective this/these pond/s are at supporting identities?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

361. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

362. Does restoring this/these pond/s with the objective of supporting identities negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

363. If you have confirmed a negative influence of restoring this/these pond/s with the objective of supporting identities on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

364. What is the degree of confidence you have regarding the negative influence of restoring this/these pond/s to support identities on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

96. Pond/s restoration - "Maintenance of options" NCP

* 365. Was the "maintenance of options" NCP the objective when restoring this/these pond/s?

The NCP "Maintenance of options" refers to the capacity of ponds and/or pondsapes to keep options open in order to support a good quality of life. For example, benefits (including those of future generations) associated with the continued existence of a wide variety of species, populations and genotypes, including their contributions to the resilience and resistance of pond/pondscape properties in the face of environmental change and variability; or future benefits (or threats) derived from keeping options open for yet unknown discoveries and unanticipated uses of particular ponds/pondsapes.

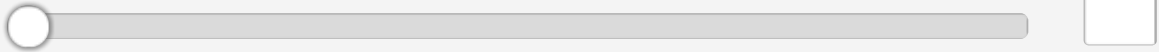
Yes

No

97. Pond/s restoration - "Maintenance of options" NCP

366. To what degree was the "maintenance of options" NCP the objective when restoring this/these pond/s?

0: It was not an objective 3: High degree



367. How effective this/these pond/s are for the maintenance of options?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

368. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

369. Does restoring this/these pond/s with the objective of maintenance of options negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

370. If you have confirmed a negative influence of restoring this/these pond/s with the objective of maintenance of options on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

371. What is the degree of confidence you have regarding the negative influence of restoring this/these pond/s for the maintenance of options on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

98. Pond/s restoration - final

* 372. Cite the sources of the information where the information detailed here comes from (report, journal article, website links, expert notes) or detail whether the information comes from expert evidence (in the case there are not published references)

* 373. Would you (and your pondscape) be willing to be added as contributor in the European Commission Ponderful deliverable (D4.1. Database on Pondscales) and in the acknowledgements of the scientific publications?

Yes

No

* 374. Would you like to receive the report that will result from this survey?

Yes

No

If yes, to what email?

375. We aim to get local expertise and knowledge on all these issues, if you know the contact of people who is directly working with created, restored or managed ponds and could also answer this questionnaire, could you please add their names and/or contact?

99. Pond/pondscape management

Pond/pondscape management refer to i) those pond infrastructure measures (acting on areas immediately surrounding a pond/s), ii) pond management measures (actions within pond/s) and iii) land-use actions that are needed to ensure the appropriate functioning of a pondscape; e.g. removing some vegetation or tree shade, removing or introducing species, water management, etc. They can be local (pond scale, e.g. small-scale) or regional (pondscape, e.g. large-scale), or both.

* 376. Is your chosen example of NbS a pond/pondscape management measure?

If you say "yes" in the question below, the following questions will cover each of these, with one section devoted to a specific management type.

By responding "No" to a particular type of NbS, you will skip all the questions regarding this NbS.

- Yes
- Yes, but the pond/s managed are the exact same ones as the one/s that were created or restored, with the same objectives and the same NCP affected
- No

100. Pond infrastructure measures

This section refers to pond infrastructure measures (acting on areas immediately surrounding a pond/s).

In the following sections you will be asked about the other management measures: pond management measures (actions within pond/s) and land-use actions that are needed to ensure the appropriate functioning of a pondscape will be treated in the following two sections.

* 377. Did you implement pond infrastructure measures (acting on areas immediately surrounding pond)?
Pond infrastructure actions refer to those actions that are needed to ensure the appropriate functioning of an individual pond such as access restrictions, development of trails or wildlife observatories, management of riparian vegetation and wetland plants, removal of invasive alien plant species, implementation (or enlarging) of a buffer area immediately surrounding the pond, creation of terrestrial habitats in the vicinity of the pond (e.g. for reptiles or amphibians), removal of hard infrastructure (e.g. concrete edge), etc.

Yes

No

101. Pond infrastructure measures

The following questions concern the pond infrastructure actions that are needed to ensure the appropriate functioning of an individual pond (you responded yes in the previous page).

* 378. What kind of pond infrastructure measures (acting on areas immediately surrounding pond) were realized?

- Access restrictions, e.g. fencing to prevent access by livestock, dogs, or visitors - or removing fencing to allow livestock access
- Development of trails or wildlife observatories
- Management of riparian vegetation and wetland plants
- Removal of invasive alien plant species
- Implementation (or enlarging) of a buffer area immediately surrounding the pond
- Creation of terrestrial habitats in the vicinity of the pond (e.g. for reptiles or amphibians)
- Removal of hard infrastructure (e.g. concrete edge)
- Other (please specify)

* 379. What was done exactly, e.g. number of ponds with infrastructure actions, purpose (e.g. leisure, biodiversity)? (max 5000 characters)

380. In what year the negotiation for the implementation of the pond/s infrastructure actions (e.g. political negotiations/site permissions, etc.) and/or the practical implementation of the actions in the pond started? Enter 4-digit birth year; for example, 2005

Comment (if needed)

381. Which was the timeframe for the negotiation for the implementation of the infrastructure actions in the pond/s (e.g. political negotiations/site permissions, etc.), from the idea to the establishment? Please enter the number of months; for example, 3.

Comment (if needed)

382. How long did it take to implement the pond/s infrastructure actions in practice (e.g. digging...)? Please enter the number of months; for example, 3.

Comment (if needed)

383. What kind of stakeholders were involved in the pond/s infrastructure actions and in which way?
Skip this stage if you don't have this information.

	Formal involvement (e.g. management, formal decision making, etc.)	Informal role (e.g. volunteer, user, etc.)
Civil society: citizens and representatives of active associations	<input type="radio"/>	<input type="radio"/>
Policy maker: a person responsible for or involved in formulating policies, especially in politics.	<input type="radio"/>	<input type="radio"/>
Public sector (not policy maker): governments and all publicly controlled or publicly funded agencies, enterprises, and other entities that deliver public programs, goods, or services	<input type="radio"/>	<input type="radio"/>
Private sector: for-profit businesses run by individuals or companies	<input type="radio"/>	<input type="radio"/>
Scientific	<input type="radio"/>	<input type="radio"/>

384. How much money, in Euros, did the pond/s infrastructure actions cost?
e.g. design, land acquisition/rent, insurance and legal fees, equipment rent/ purchase, construction cost, etc.
Skip this stage if you don't have this information.

385. Give a description of the costs provided in the previous question (max 1000 characters)
Skip this stage if you don't have this information.

386. Is/are the pond/s generating any revenue?
Skip this stage if you don't have this information.

- Yes
- No
- If yes, how much per year? (in Euros/year)

387. The following questions focus on different Nature's contributions to people (NCP*) that the actions implemented in the pond/s might have contributed to.

**NCP are defined by IPBES as "all the contributions, both positive and negative, of living nature (i.e. diversity of organisms, ecosystems, and their associated ecological and evolutionary processes) to the quality of life for people*

Was the "creation of habitat for biodiversity" NCP the objective when implementing actions in this/these pond/s?

The NCP "creation of habitat for biodiversity" refers to the formation and continued production of habitats for biodiversity. In the case of pondscapes, examples are e.g. growing sites for plants; nesting, feeding, and mating sites for animals; resting and overwintering areas for migratory mammals, birds and butterflies; nurseries for juvenile stages of fish, etc.

Yes

No

102. Pond infrastructure measures - "creation of habitat for biodiversity" NCP

388. To what degree was the "creation of habitat for biodiversity" NCP the objective when establishing pond infrastructure measures?

0: It was not an objective

3: High degree

389. How effective this/these pond/s are at creating habitat for biodiversity?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

390. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

391. Does establishing pond infrastructure measures with the objective of creating habitat for biodiversity negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

392. If you have confirmed a negative influence of establishing pond infrastructure measures with the objective of creating of habitat for biodiversity on other NCPs, could you please identify those?
For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

393. What is the degree of confidence you have regarding the negative influence of establishing pond infrastructure measures for the creation of habitat for biodiversity on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

103. Pond infrastructure measures - "pollination" NCP

* 394. Was the "pollination" NCP the objective when establishing pond infrastructure measures?

The NCP "Pollination" refers to the facilitation of transfer of pollen to a stigma, ovule, flower, or plant to allow fertilization, and dispersal of seeds, larvae or spores

Yes

No

104. Pond infrastructure measures - "pollination" NCP

395. To what degree was the "pollination" NCP the objective when establishing pond infrastructure measures?

0: It was not an objective

3: High degree

396. How effective this/these pond/s are at facilitating pollination?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

397. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

398. Does establishing pond infrastructure measures with the objective of facilitation of pollination negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

399. If you have confirmed a negative influence of establishing pond infrastructure measures with the objective of facilitation of pollination on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

400. What is the degree of confidence you have regarding the negative influence of establishing pond infrastructure measures for the facilitation of pollination on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

105. Pond infrastructure measures - "regulation of climate" NCP

* 401. Was the "regulation of climate" NCP the objective when establishing pond infrastructure measures? *The NCP "Regulation of climate" refers to the climate regulation by ecosystems (including regulation of global warming). It can be produced through: i) positive or negative effects on emissions of greenhouse gases (e.g. biological carbon storage and sequestration; methane emissions from wetlands), and ii) direct and indirect processes involving biogenic volatile organic compounds (BVOC), and regulation of aerosols and aerosol precursors by phytoplankton and terrestrial plants*

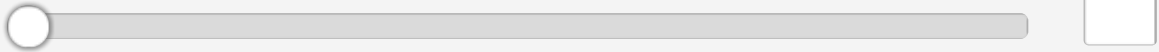
Yes

No

106. Pond infrastructure measures - "regulation of climate" NCP

402. To what degree was the "regulation of climate" NCP the objective when establishing pond infrastructure measures?

0: It was not an objective 3: High degree



403. How effective this/these pond/s are at regulating the climate?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

404. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

405. Does establishing pond infrastructure measures with the objective of regulation of climate negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

406. If you have confirmed a negative influence of establishing pond infrastructure measures with the objective of regulation of climate on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

407. What is the degree of confidence you have regarding the negative influence of establishing pond infrastructure measures for the regulation of climate on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

107. Pond infrastructure measures - "regulation of water quantity, location and timing" NCP

* 408. Was the "regulation of water quantity, location and timing" NCP the objective when establishing pond infrastructure measures?

The NCP "Regulation of water quantity, location and timing" refers to the: i) regulation, by ponds, of the quantity, location and timing of the flow of surface and groundwater; ii) regulation of flow to water-dependent natural habitats; and iii) modification of groundwater levels

Yes

No

108. Pond infrastructure measures - "regulation of water quantity, location and timing" NCP

409. To what degree was the "regulation of water quantity, location and timing" NCP the objective when establishing pond infrastructure measures?

0: It was not an objective

3: High degree

410. How effective this/these pond/s are at regulating the water quantity, location and timing?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

411. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

412. Does establishing pond infrastructure measures with the objective of regulation of water quantity, location and timing negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

413. If you have confirmed a negative influence of establishing pond infrastructure measures with the objective of regulation of water quantity, location and timing on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

414. What is the degree of confidence you have regarding the negative influence of establishing pond infrastructure measures for the regulation of water quantity, location and timing on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

109. Pond infrastructure measures - "regulation of water quality" NCP

* 415. Was the "regulation of water quality" NCP the objective when establishing pond infrastructure measures?

The NCP "Regulation of water quality" refers to the influence of ponds on water quality through filtration of particles, pathogens, excess nutrients, and other chemicals

Yes

No

110. Pond infrastructure measures - "regulation of water quality" NCP

416. To what degree was the "regulation of water quality" NCP the objective when establishing pond infrastructure measures?

0: It was not an objective

3: High degree

417. How effective this/these pond/s are at regulating the water quality?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

418. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

419. Does establishing pond infrastructure measures with the objective of regulation of water quality negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

420. If you have confirmed a negative influence of establishing pond infrastructure measures with the objective of regulation of water quality on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

421. What is the degree of confidence you have regarding the negative influence of establishing pond infrastructure measures for the regulation of water quality on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

111. Pond infrastructure measures - "regulation of hazards and extreme events" NCP

* 422. Was the "regulation of hazards and extreme events" NCP the objective when establishing pond infrastructure measures?

The NCP "Regulation of hazards and extreme events" refers to the potential of ponds to mitigate the impacts of floods, storms, heat waves, fires, seawater intrusion, tidal waves, etc.

Yes

No

112. Pond infrastructure measures - "regulation of hazards and extreme events" NCP

423. To what degree was the "regulation of hazards and extreme events" NCP the objective when establishing pond infrastructure measures?

0: It was not an objective

3: High degree

424. How effective this/these pond/s are at regulating the hazards and extreme events?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

425. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

426. Does establishing pond infrastructure measures with the objective of regulation of hazards and extreme events negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

427. If you have confirmed a negative influence of establishing pond infrastructure measures with the objective of regulation of hazards and extreme events on other NCPs, could you please identify those? For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

428. What is the degree of confidence you have regarding the negative influence of establishing pond infrastructure measures for the regulation of hazards and extreme events on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

113. Pond infrastructure measures - "food and feed" NCP

* 429. Was the "food and feed" NCP the objective when establishing pond infrastructure measures?

The NCP "Food and feed" refers to the: i) production of food from wild, managed, or domesticated organisms, such as fish, crayfish, beef, game, dairy products, edible crops, wild plants, and ii) production of feed (forage and fodder) for domesticated animals (e.g. livestock, work and support animals, pets) or for aquaculture, from the same sources

Yes

No

114. Pond infrastructure measures - "food and feed" NCP

430. To what degree was the "food and feed" NCP the objective when establishing pond infrastructure measures?

0: It was not an objective

3: High degree

431. How effective this/these pond/s are at the provision of food and feed?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

432. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

433. Does establishing pond infrastructure measures with the objective of the provision of food and feed negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

434. If you have confirmed a negative influence of establishing pond infrastructure measures with the objective of the provision of food and feed on other NCPs, could you please identify those?
For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

435. What is the degree of confidence you have regarding the negative influence of establishing pond infrastructure measures for the provision of food and feed on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

115. Pond infrastructure measures - "physical and psychological experiences" NCP

* 436. Was the "physical and psychological experiences" NCP the objective when establishing pond infrastructure measures?

The NCP "Physical and psychological experiences" refers to the provision by ponds and/or pondsapes of opportunities for physically and psychologically beneficial activities, healing, relaxation, recreation, leisure, tourism and aesthetic enjoyment based on the close contact with nature (e.g. hiking, recreational hunting and fishing, birdwatching, snorkeling, diving, gardening)

Yes

No

116. Pond infrastructure measures - "physical and psychological experiences" NCP

437. To what degree was the "physical and psychological experiences" NCP the objective when establishing pond infrastructure measures?

0: It was not an objective

3: High degree

438. How effective this/these pond/s are at facilitating the physical and psychological experiences?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

439. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

440. Does establishing pond infrastructure measures with the objective of facilitating physical and psychological experiences negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

441. If you have confirmed a negative influence of establishing pond infrastructure measures with the objective of facilitating physical and psychological experiences on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

442. What is the degree of confidence you have regarding the negative influence of establishing pond infrastructure measures for the facilitation of physical and psychological experiences on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

117. Pond infrastructure measures - "learning and inspiration experiences" NCP

* 443. Was the "learning and inspiration experiences" NCP the objective when establishing pond infrastructure measures?

The NCP "Learning and inspiration experiences" refers to the provision by ponds and/or pondsapes of opportunities for the development of the capabilities that allow humans to prosper through education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art and technological design (e.g. biomimicry)

Yes

No

118. Pond infrastructure measures - "learning and inspiration experiences" NCP

444. To what degree was the "learning and inspiration experiences" NCP the objective when establishing pond infrastructure measures?

0: It was not an objective

3: High degree

445. How effective this/these pond/s are at facilitating the learning and inspiration experiences?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

446. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

447. Does establishing pond infrastructure measures with the objective of facilitating learning and inspiration experiences negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

448. If you have confirmed a negative influence of establishing pond infrastructure measures with the objective of facilitating learning and inspiration experiences on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

449. What is the degree of confidence you have regarding the negative influence of establishing pond infrastructure measures for the facilitation of learning and inspiration experiences on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

119. Pond infrastructure measures - "supporting identities" NCP

* 450. Was the "supporting identities" NCP the objective when establishing pond infrastructure measures?
The NCP "Supporting identities" refers to the ponds and/or pondsapes being the basis for religious, spiritual, and social-cohesion experiences: i) provisioning of opportunities by nature for people to develop a sense of place, belonging, rootedness or connectedness, associated with different entities of the living world (e. g. cultural, sacred and heritage landscapes, sounds, scents and sights associated with childhood experiences, iconic animals or flowers), ii) basis for narratives, rituals and celebrations provided by ponds and/or pondsapes, and iii) source of satisfaction derived from knowing that a particular pond or pondsape exists

Yes

No

120. Pond infrastructure measures - "supporting identities" NCP

451. To what degree was the "supporting identities" NCP the objective when establishing pond infrastructure measures?

0: It was not an objective

3: High degree

452. How effective this/these pond/s are at supporting identities?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

453. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

454. Does establishing pond infrastructure measures with the objective of supporting identities negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

455. If you have confirmed a negative influence of establishing pond infrastructure measures with the objective of supporting identities on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

456. What is the degree of confidence you have regarding the negative influence of establishing pond infrastructure measures to support identities on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

121. Pond infrastructure measures - "Maintenance of options" NCP

* 457. Was the "maintenance of options" NCP the objective when establishing pond infrastructure measures?

The NCP "Maintenance of options" refers to the capacity of ponds and/or pondsapes to keep options open in order to support a good quality of life. For example, benefits (including those of future generations) associated with the continued existence of a wide variety of species, populations and genotypes, including their contributions to the resilience and resistance of pond/pondscape properties in the face of environmental change and variability; or future benefits (or threats) derived from keeping options open for yet unknown discoveries and unanticipated uses of particular ponds/pondsapes.

Yes

No

122. Pond infrastructure measures - "Maintenance of options" NCP

458. To what degree was the "maintenance of options" NCP the objective when establishing pond infrastructure measures?

0: It was not an objective

3: High degree

459. How effective this/these pond/s are for the maintenance of options?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

460. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

461. Does establishing pond infrastructure measures with the objective of maintenance of options negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

462. If you have confirmed a negative influence of establishing pond infrastructure measures with the objective of maintenance of options on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

463. What is the degree of confidence you have regarding the negative influence of establishing pond infrastructure measures for the maintenance of options on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

123. Pond infrastructure measures - final

* 464. Cite the sources of the information where the information detailed here comes from (report, journal article, website links, expert notes) or detail whether the information comes from expert evidence (in the case there are not published references)

* 465. Would you (and your pondscape) be willing to be added as contributor in the European Comission Ponderful deliverable (D4.1. Database on Pondscales) and in the acknowledgements of the scientific publications?

Yes

No

* 466. Would you like to receive the report that will result from this survey?

Yes

No

If yes, to what email?

467. We aim to get local expertise and knowledge on all these issues, if you know the contact of people who is directly working with created, restored or managed ponds and could also answer this questionnaire, could you please add their names and/or contact?

124. Pond management measures

This section refers to pond management measures (actions within pond/s).

In the next section, you will be asked about land-use actions that are needed to ensure the appropriate functioning of a pondscape will be treated in the following two section.

* 468. Did you implement management measures within your pond?

- Yes
- Yes, but the pond/s managed are the exact same one/s as the ones where the infrastructure measures were taken, with the same objectives and the same NCP affected
- No

125. Pond management measures

The following questions concern the pond management measures (actions within pond) that are needed to ensure the appropriate functioning of an individual pond (you responded "yes" in the previous page)

* 469. What kind of pond/s management measures (actions within pond/s) were realized?

- Removing invasive alien plant and animal species
- Removing of all fish
- Reintroducing or protecting threatened plant and animal species
- Pond water management, e.g. manage input, output (e.g. sluice repair or adjustments, lining), drying rate
- Routine management actions in relation with the pond design and depth (e.g. slight re-profiling of banks, removal of sediments, creation or removal of an island, scraping edges to maintain populations of pioneer species)
- Mowing and removal of submerged, floating or emergent plants
- Regular monitoring of physical, chemical or biological indicators
- Planting or introducing structured vegetation into ponds (e.g. planted coil rolls)
- Shade management (e.g. a few trees or large % of cover)
- Part-desilt
- Other (please specify)

* 470. What was done exactly, e.g. number of ponds managed, purpose (e.g. leisure, biodiversity)? (max 5000 characters)

471. In what year the negotiation for the management of the pond/s (e.g. political negotiations/site permissions, etc.) and/or the practical management of the pond started? Enter 4-digit birth year; for example, 2005

Comment (if needed)

472. Which was the timeframe for the negotiation for the management of the pond/s (e.g. political negotiations/site permissions, etc.), from the idea to the establishment? Please enter the number of months; for example, 3.

Comment (if needed)

473. How long did it take to manage the pond/s in practice (e.g. digging...)? Please enter the number of months; for example, 3.

Comment (if needed)

474. What kind of stakeholders were involved in the management of the pond/s and in which way?

Skip this stage if you don't have this information.

	Formal involvement (e.g. management, formal decision making, etc.)	Informal role (e.g. volunteer, user, etc.)
Civil society: citizens and representatives of active associations	<input type="radio"/>	<input type="radio"/>
Policy maker: a person responsible for or involved in formulating policies, especially in politics.	<input type="radio"/>	<input type="radio"/>
Public sector (not policy maker): governments and all publicly controlled or publicly funded agencies, enterprises, and other entities that deliver public programs, goods, or services	<input type="radio"/>	<input type="radio"/>
Private sector: for-profit businesses run by individuals or companies	<input type="radio"/>	<input type="radio"/>
Scientific	<input type="radio"/>	<input type="radio"/>

475. How much money, in Euros, did the management of the pond/s cost?

e.g. design, land acquisition/rent, insurance and legal fees, equipment rent/ purchase, construction cost, etc.

Skip this stage if you don't have this information.

476. Give a description of the costs provided in the previous question (max 1000 characters)

Skip this stage if you don't have this information.

477. Is/are the pond/s generating any revenue?

Skip this stage if you don't have this information.

Yes

No

If yes, how much per year? (in Euros/year)

478. The following questions focus on different Nature's contributions to people (NCP*) that the pond/s managed might have contributed to.

**NCP are defined by IPBES as "all the contributions, both positive and negative, of living nature (i.e. diversity of organisms, ecosystems, and their associated ecological and evolutionary processes) to the quality of life for people*

Was the "creation of habitat for biodiversity" NCP the objective when managing this/these pond/s?

The NCP "creation of habitat for biodiversity" refers to the formation and continued production of habitats for biodiversity. In the case of pondscapes, examples are e.g. growing sites for plants; nesting, feeding, and mating sites for animals; resting and overwintering areas for migratory mammals, birds and butterflies; nurseries for juvenile stages of fish, etc.

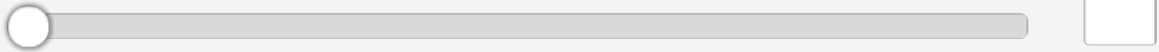
Yes

No

126. Pond management measures - "creation of habitat for biodiversit" NCP

479. To what degree was the "creation of habitat for biodiversity" NCP the objective when managing this/these pond/s?

0: It was not an objective 3: High degree



480. How effective this/these pond/s are at creating habitat for biodiversity?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

481. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

482. Does managing this/these ponds with the objective of creting habitat for biodiversity negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

483. If you have confirmed a negative influence of managing this/these ponds with the objective of creating habitat for biodiversity on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

484. What is the degree of confidence you have regarding the negative influence of managing this/these ponds for the creation of habitat for biodiversity on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

127. Pond management measures - "pollination" NCP

* 485. Was the "pollination" NCP the objective when managing this/these ponds?

The NCP "Pollination" refers to the facilitation of transfer of pollen to a stigma, ovule, flower, or plant to allow fertilization, and dispersal of seeds, larvae or spores

Yes

No

128. Pond management measures - "pollination" NCP

486. To what degree was the "pollination" NCP the objective when managing this/these ponds?

0: It was not an objective

3: High degree

487. How effective this/these pond/s are at facilitating pollination?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

488. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

489. Does managing this/these ponds with the objective of facilitation of pollination negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

490. If you have confirmed a negative influence of managing this/these ponds with the objective of facilitation of pollination on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

491. What is the degree of confidence you have regarding the negative influence of managing this/these ponds for the facilitation of pollination on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

129. Pond management measures - "regulation of climate" NCP

* 492. Was the "regulation of climate" NCP the objective when managing this/these ponds?

The NCP "Regulation of climate" refers to the climate regulation by ecosystems (including regulation of global warming). It can be produced through: i) positive or negative effects on emissions of greenhouse gases (e.g. biological carbon storage and sequestration; methane emissions from wetlands), and ii) direct and indirect processes involving biogenic volatile organic compounds (BVOC), and regulation of aerosols and aerosol precursors by phytoplankton and terrestrial plants

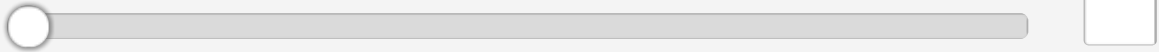
Yes

No

130. Pond management measures - "regulation of climate" NCP

493. To what degree was the "regulation of climate" NCP the objective when managing this/these ponds?

0: It was not an objective 3: High degree



494. How effective this/these pond/s are at regulating the climate?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

495. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

496. Does managing this/these ponds with the objective of regulation of climate negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

497. If you have confirmed a negative influence of managing this/these ponds with the objective of regulation of climate on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

498. What is the degree of confidence you have regarding the negative influence of managing this/these ponds for the regulation of climate on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

131. Pond management measures - "regulation of water quantity, location and timing" NCP

* 499. Was the "regulation of water quantity, location and timing" NCP the objective when managing this/these ponds?

The NCP "Regulation of water quantity, location and timing" refers to the: i) regulation, by ponds, of the quantity, location and timing of the flow of surface and groundwater; ii) regulation of flow to water-dependent natural habitats; and iii) modification of groundwater levels

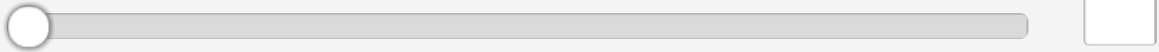
Yes

No

132. Pond management measures - "regulation of water quantity, location and timing" NCP

500. To what degree was the "regulation of water quantity, location and timing" NCP the objective when managing this/these ponds?

0: It was not an objective 3: High degree



501. How effective this/these pond/s are at regulating the water quantity, location and timing?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

502. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

503. Does managing this/these ponds with the objective of regulation of water quantity, location and timing negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

504. If you have confirmed a negative influence of managing this/these ponds with the objective of regulation of water quantity, location and timing on other NCPs, could you please identify those? *For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).*

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

505. What is the degree of confidence you have regarding the negative influence of managing this/these ponds for the regulation of water quantity, location and timing on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

133. Pond management measures - "regulation of water quality" NCP

* 506. Was the "regulation of water quality" the objective when managing this/these ponds?

The NCP "Regulation of water quality" refers to the influence of ponds on water quality through filtration of particles, pathogens, excess nutrients, and other chemicals

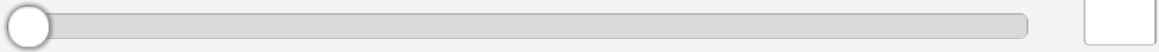
Yes

No

134. Pond management measures - "regulation of water quality" NCP

507. To what degree was the "regulation of water quality" NCP the objective when managing this/these ponds?

0: It was not an objective 3: High degree



508. How effective this/these pond/s are at managing this/these ponds?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

509. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

510. Does managing this/these ponds with the objective of regulation of water quality negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

511. If you have confirmed a negative influence of managing this/these ponds with the objective of regulation of water quality on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

512. What is the degree of confidence you have regarding the negative influence of managing this/these ponds for the regulation of water quality on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

135. Pond management measures - "regulation of hazards and extreme events" NCP

* 513. Was the "regulation of hazards and extreme events" NCP the objective when managing this/these ponds?

The NCP "Regulation of hazards and extreme events" refers to the potential of ponds to mitigate the impacts of floods, storms, heat waves, fires, seawater intrusion, tidal waves, etc.

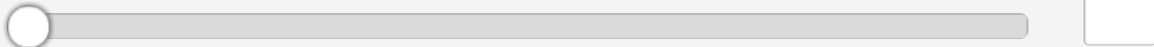
Yes

No

136. Pond management measures - "regulation of hazards and extreme events" NCP

514. To what degree was the "regulation of hazards and extreme events" NCP the objective when managing this/these ponds?

0: It was not an objective 3: High degree



515. How effective this/these pond/s are at regulating the hazards and extreme events?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

516. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

517. Does managing this/these ponds with the objective of regulation of hazards and extreme events negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

518. If you have confirmed a negative influence of managing this/these ponds with the objective of regulation of hazards and extreme events on other NCPs, could you please identify those?
For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

519. What is the degree of confidence you have regarding the negative influence of managing this/these ponds for the regulation of hazards and extreme events on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

137. Pond management measures - "food and feed" NCP

* 520. Was the "food and feed" NCP the objective when managing this/these ponds?

The NCP "Food and feed" refers to the: i) production of food from wild, managed, or domesticated organisms, such as fish, crayfish, beef, game, dairy products, edible crops, wild plants, and ii) production of feed (forage and fodder) for domesticated animals (e.g. livestock, work and support animals, pets) or for aquaculture, from the same sources

Yes

No

138. Pond management measures - "food and feed" NCP

521. To what degree was the "food and feed" NCP the objective when managing this/these ponds?

0: It was not an objective

3: High degree

522. How effective this/these pond/s are at the provision of food and feed?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

523. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

524. Does managing this/these ponds with the objective of the provision of food and feed negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

525. If you have confirmed a negative influence of managing this/these ponds with the objective of the provision of food and feed on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

526. What is the degree of confidence you have regarding the negative influence of managing this/these ponds for the provision of food and feed on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

139. Pond management measures - "physical and psychological experiences" NCP

* 527. Was the "physical and psychological experiences" NCP the objective when managing this/these ponds?

The NCP "Physical and psychological experiences" refers to the provision by ponds and/or pondsapes of opportunities for physically and psychologically beneficial activities, healing, relaxation, recreation, leisure, tourism and aesthetic enjoyment based on the close contact with nature (e.g. hiking, recreational hunting and fishing, birdwatching, snorkeling, diving, gardening)

Yes

No

140. Pond management measures - "physical and psychological experiences" NCP

528. To what degree was the "physical and psychological experiences" NCP the objective when managing this/these pond/s?

0: It was not an objective

3: High degree

529. How effective this/these pond/s are at facilitating the physical and psychological experiences?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

530. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

531. Does managing this/these pond/s with the objective of facilitating physical and psychological experiences negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

532. If you have confirmed a negative influence of managing this/these pond/s with the objective of facilitating physical and psychological experiences on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

533. What is the degree of confidence you have regarding the negative influence of managing this/these pond/s for the facilitation of physical and psychological experiences on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

141. Pond management measures - "learning and inspiration experiences" NCP

* 534. Was the "learning and inspiration experiences" NCP the objective when managing this/these pond/s?

The NCP "Learning and inspiration experiences" refers to the provision by ponds and/or pondsapes of opportunities for the development of the capabilities that allow humans to prosper through education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art and technological design (e.g. biomimicry)

Yes

No

142. Pond management measures - "learning and inspiration experiences" NCP

535. To what degree was the "learning and inspiration experiences" NCP the objective when managing this/these pond/s?

0: It was not an objective

3: High degree

536. How effective this/these pond/s are at facilitating the learning and inspiration experiences?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

537. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

538. Does managing this/these pond/s with the objective of facilitating learning and inspiration experiences negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

539. If you have confirmed a negative influence of managing this/these pond/s with the objective of facilitating learning and inspiration experiences on other NCPs, could you please identify those?
For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

540. What is the degree of confidence you have regarding the negative influence of managing this/these pond/s for the facilitation of learning and inspiration experiences on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

143. Pond management measures - "supporting identities" NCP

* 541. Was the "supporting identities" NCP the objective when managing this/these pond/s?

The NCP "Supporting identities" refers to the ponds and/or pondsapes being the basis for religious, spiritual, and social-cohesion experiences: i) provisioning of opportunities by nature for people to develop a sense of place, belonging, rootedness or connectedness, associated with different entities of the living world (e. g. cultural, sacred and heritage landscapes, sounds, scents and sights associated with childhood experiences, iconic animals or flowers), ii) basis for narratives, rituals and celebrations provided by ponds and/or pondsapes, and iii) source of satisfaction derived from knowing that a particular pond or pondsape exists

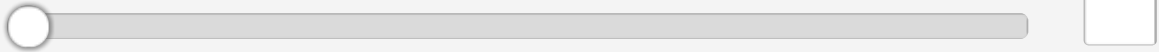
Yes

No

144. Pond management measures - "supporting identities" NCP

542. To what degree was the "supporting identities" NCP the objective when managing this/these pond/s?

0: It was not an objective 3: High degree



543. How effective this/these pond/s are at supporting identities?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

544. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

545. Does managing this/these pond/s with the objective of supporting identities negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

546. If you have confirmed a negative influence of managing this/these pond/s with the objective of supporting identities on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

547. What is the degree of confidence you have regarding the negative influence of managing this/these pond/s to support identities on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

145. Pond management measures - "Maintenance of options" NCP

* 548. Was the "maintenance of options" NCP the objective when managing this/these pond/s?

The NCP "Maintenance of options" refers to the capacity of ponds and/or pondsapes to keep options open in order to support a good quality of life. For example, benefits (including those of future generations) associated with the continued existence of a wide variety of species, populations and genotypes, including their contributions to the resilience and resistance of pond/pondscape properties in the face of environmental change and variability; or future benefits (or threats) derived from keeping options open for yet unknown discoveries and unanticipated uses of particular ponds/pondscapes.

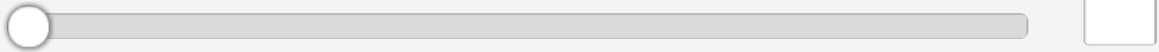
Yes

No

146. Pond management measures - "Maintenance of options" NCP

549. To what degree was the "maintenance of options" NCP the objective when managing this/these pond/s?

0: It was not an objective 3: High degree



550. How effective this/these pond/s are for the maintenance of options?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

551. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

552. Does managing this/these pond/s with the objective of maintenance of options negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

553. If you have confirmed a negative influence of managing this/these pond/s with the objective of maintenance of options on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

554. What is the degree of confidence you have regarding the negative influence of managing this/these pond/s for the maintenance of options on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

147. Pond management measures - final

* 555. Cite the sources of the information where the information detailed here comes from (report, journal article, website links, expert notes) or detail whether the information comes from expert evidence (in the case there are not published references)

* 556. Would you (and your pondscape) be willing to be added as contributor in the European Commission Ponderful deliverable (D4.1. Database on Pondscales) and in the acknowledgements of the scientific publications?

Yes

No

* 557. Would you like to receive the report that will result from this survey?

Yes

No

If yes, to what email?

558. We aim to get local expertise and knowledge on all these issues, if you know the contact of people who is directly working with created, restored or managed ponds and could also answer this questionnaire, could you please add their names and/or contact?

148. Pondscape land-use actions

This section refers to the pondscape land-use actions that are needed to ensure the appropriate functioning of a pondscape (ponds and surrounding landscape).

* 559. Did you realize pondscape scale land-use actions?

Yes

No

149. Pondscape land-use actions

The following questions concern pondscape land-use actions that are needed to ensure the appropriate functioning of a pondscape (ponds and surrounding landscape) (you responded "yes" in the previous page)

* 560. What kind of pondscape scale land-use and management actions were realized?

- Placing the pondscape (or a part of the pondscape) under protective status (e.g. protected areas regulations)
- Changing land use in the pondscape and in the area surrounding the pondscape (e.g. convert arable land or intensive livestock grazing area to extensive grassland; decrease impervious surfaces e.g. asphalt in neighboring areas).
- Enhancing the connectivity between ponds or pondsapes. This involves the creation of terrestrial or aquatic corridors, removing obstacles, or active transport of propagules.
- Other (please specify)

* 561. What was done exactly, e.g. land use managed, purpose (e.g. leisure, biodiversity)? (max 5000 characters)

562. In what year the negotiation for the pondscape management actions (e.g. political negotiations/site permissions, etc.) and/or the practical implementation of the pondscape management actions started? Enter 4-digit birth year; for example, 2005

Comment (if needed)

563. Which was the timeframe for the negotiation for the pondscape management (e.g. political negotiations/site permissions, etc.), from the idea to the establishment? Please enter the number of months; for example, 3.

Comment (if needed)

564. How long did it take to manage the pondscape in practice (e.g. digging...)? Please enter the number of months; for example, 3.

565. What kind of stakeholders were involved in the management of the pondscape and in which way?
Skip this stage if you don't have this information.

	Formal involvement (e.g. management, formal decision making, etc.)	Informal role (e.g. volunteer, user, etc.)
Civil society: citizens and representatives of active associations	<input type="radio"/>	<input type="radio"/>
Policy maker: a person responsible for or involved in formulating policies, especially in politics.	<input type="radio"/>	<input type="radio"/>
Public sector (not policy maker): governments and all publicly controlled or publicly funded agencies, enterprises, and other entities that deliver public programs, goods, or services	<input type="radio"/>	<input type="radio"/>
Private sector: for-profit businesses run by individuals or companies	<input type="radio"/>	<input type="radio"/>
Scientific	<input type="radio"/>	<input type="radio"/>

566. How much money, in Euros, did the management of the pondscape cost?
e.g. design, land acquisition/rent, insurance and legal fees, equipment rent/ purchase, construction cost, etc.

Skip this stage if you don't have this information.

567. Give a description of the costs provided in the previous question (max 1000 characters)
Skip this stage if you don't have this information.

568. Is/are the pond/s generating any revenue?

Skip this stage if you don't have this information.

- Yes
- No
- If yes, how much per year? (in Euros/year)

569. The following questions focus on different Nature's contributions to people (NCP*) that the pondscape managed might have contributed to.

**NCP are defined by IPBES as "all the contributions, both positive and negative, of living nature (i.e. diversity of organisms, ecosystems, and their associated ecological and evolutionary processes) to the quality of life for people*

Was the "creation of habitat for biodiversity" NCP the objective when managing this pondscape?

The NCP "creation of habitat for biodiversity" refers to the formation and continued production of habitats for biodiversity. In the case of pondscales, examples are e.g. growing sites for plants; nesting, feeding, and mating sites for animals; resting and overwintering areas for migratory mammals, birds and butterflies; nurseries for juvenile stages of fish, etc.

Yes

No

150. Pondscape land-use actions - "creation of habitat for biodiversity" NCP

570. To what degree was the "creation and maintenance of habitat" NCP the objective when managing this pondscape?

0: It was not an objective

3: High degree

571. How effective this/these pond/s are at creating and maintaining habitat?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

572. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

573. Does managing this pondscape with the objective of creating or maintaining habitat negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

574. If you have confirmed a negative influence of managing this pondscape with the objective of creating and maintenance of habitat on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

575. What is the degree of confidence you have regarding the negative influence of managing this pondscape for the creation or maintenance of habitat on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

151. Pondscape land-use actions - "pollination" NCP

* 576. Was the "pollination" NCP the objective when managing this pondscape?

The NCP "Pollination" refers to the facilitation of transfer of pollen to a stigma, ovule, flower, or plant to allow fertilization, and dispersal of seeds, larvae or spores

Yes

No

152. Pondscape land-use actions - "pollination" NCP

577. To what degree was the "pollination" NCP the objective when managing this pondscape?

0: It was not an objective

3: High degree

578. How effective this/these pond/s are at facilitating pollination?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

579. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

580. Does managing this pondscape with the objective of facilitation of pollination negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

581. If you have confirmed a negative influence of managing this pondscape with the objective of facilitation of pollination on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

582. What is the degree of confidence you have regarding the negative influence of managing this pondscape for the facilitation of pollination on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

153. Pondscape land-use actions - "regulation of climate" NCP

* 583. Was the "regulation of climate" NCP the objective when managing this pondscape?

The NCP "Regulation of climate" refers to the climate regulation by ecosystems (including regulation of global warming). It can be produced through: i) positive or negative effects on emissions of greenhouse gases (e.g. biological carbon storage and sequestration; methane emissions from wetlands), and ii) direct and indirect processes involving biogenic volatile organic compounds (BVOC), and regulation of aerosols and aerosol precursors by phytoplankton and terrestrial plants

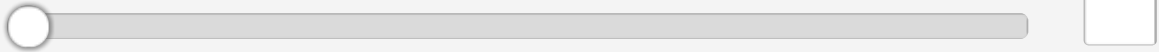
Yes

No

154. Pondscape land-use actions - "regulation of climate" NCP

584. To what degree was the "regulation of climate" NCP the objective when managing this pondscape?

0: It was not an objective 3: High degree



585. How effective this/these pond/s are at regulating the climate?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

586. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

587. Does managing this pondscape with the objective of regulation of climate negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

588. If you have confirmed a negative influence of managing this pondscape with the objective of regulation of climate on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

589. What is the degree of confidence you have regarding the negative influence of managing this pondscape for the regulation of climate on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

155. Pondscape land-use actions - "regulation of water quantity, location and timing" NCP

* 590. Was the "regulation of water quantity, location and timing" NCP the objective when managing this pondscape?

The NCP "Regulation of water quantity, location and timing" refers to the: i) regulation, by ponds, of the quantity, location and timing of the flow of surface and groundwater; ii) regulation of flow to water-dependent natural habitats; and iii) modification of groundwater levels

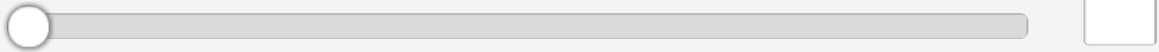
Yes

No

156. Pondscape land-use actions - "regulation of water quantity, location and timing" NCP

591. To what degree was the "regulation of water quantity, location and timing" NCP the objective when managing this pondscape?

0: It was not an objective 3: High degree



592. How effective this/these pond/s are at regulating the water quantity, location and timing?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

593. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

594. Does managing this pondscape with the objective of regulation of water quantity, location and timing negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

595. If you have confirmed a negative influence of managing this pondscape with the objective of regulation of water quantity, location and timing on other NCPs, could you please identify those? *For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).*

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

596. What is the degree of confidence you have regarding the negative influence of managing this pondscape for the regulation of water quantity, location and timing on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

157. Pondscape land-use actions - "regulation of water quality" NCP

* 597. Was the "regulation of water quality" NCP the objective when managing this pondscape?

The NCP "Regulation of water quality" refers to the influence of ponds on water quality through filtration of particles, pathogens, excess nutrients, and other chemicals

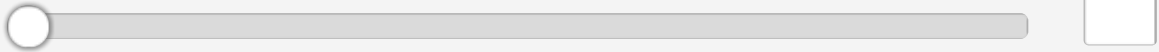
Yes

No

158. Pondscape land-use actions - "regulation of water quality" NCP

598. To what degree was the "regulation of water quality" NCP the objective when managing this pondscape?

0: It was not an objective 3: High degree



599. How effective this/these pond/s are at regulating the water quality?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

600. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

601. Does managing this pondscape with the objective of regulation of water quality negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

602. If you have confirmed a negative influence of managing this pondscape with the objective of regulation of water quality on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

603. What is the degree of confidence you have regarding the negative influence of managing this pondscape for the regulation of water quality on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

159. Pondscape land-use actions - "regulation of hazards and extreme events" NCP

* 604. Was the "regulation of hazards and extreme events" NCP the objective when managing this pondscape?

The NCP "Regulation of hazards and extreme events" refers to the potential of ponds to mitigate the impacts of floods, storms, heat waves, fires, seawater intrusion, tidal waves, etc.

Yes

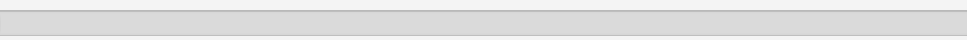
No

160. Pondscape land-use actions - "regulation of hazards and extreme events" NCP

605. To what degree was the "regulation of hazards and extreme events" NCP the objective when managing this pondscape?

0: It was not an objective

3: High degree



606. How effective this/these pond/s are at regulating the hazards and extreme events?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

607. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

608. Does managing this pondscape with the objective of regulation of hazards and extreme events negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

609. If you have confirmed a negative influence of managing this pondscape with the objective of regulation of hazards and extreme events on other NCPs, could you please identify those?
For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

610. What is the degree of confidence you have regarding the negative influence of managing this pondscape for the regulation of hazards and extreme events on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

161. Pondscape land-use actions - "food and feed" NCP

* 611. Was the "food and feed" NCP the objective when managing this pondscape?

The NCP "Food and feed" refers to the: i) production of food from wild, managed, or domesticated organisms, such as fish, crayfish, beef, game, dairy products, edible crops, wild plants, and ii) production of feed (forage and fodder) for domesticated animals (e.g. livestock, work and support animals, pets) or for aquaculture, from the same sources

Yes

No

162. Pondscape land-use actions - "food and feed" NCP

612. To what degree was the "food and feed" NCP the objective when managing this pondscape?

0: It was not an objective

3: High degree

613. How effective this/these pond/s are at the provision of food and feed?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

614. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

615. Does managing this pondscape with the objective of the provision of food and feed negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

616. If you have confirmed a negative influence of managing this pondscape with the objective of the provision of food and feed on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

617. What is the degree of confidence you have regarding the negative influence of managing this pondscape for the provision of food and feed on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

163. Pondscape land-use actions - "physical and psychological experiences" NCP

* 618. Was the "physical and psychological experiences" NCP the objective when managing this pondscape?

The NCP "Physical and psychological experiences" refers to the provision by ponds and/or pondsapes of opportunities for physically and psychologically beneficial activities, healing, relaxation, recreation, leisure, tourism and aesthetic enjoyment based on the close contact with nature (e.g. hiking, recreational hunting and fishing, birdwatching, snorkeling, diving, gardening)

Yes

No

164. Pondscape land-use actions - "physical and psychological experiences" NCP

619. To what degree was the "physical and psychological experiences" NCP the objective when managing this pondscape?

0: It was not an objective

3: High degree

620. How effective this/these pond/s are at facilitating the physical and psychological experiences?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

621. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

622. Does managing this pondscape with the objective of facilitating physical and psychological experiences negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

623. If you have confirmed a negative influence of managing this pondscape with the objective of facilitating physical and psychological experiences on other NCPs, could you please identify those? *For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: ccreation of habitat for biodiversity).*

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

624. What is the degree of confidence you have regarding the negative influence of managing this pondscape for the facilitation of physical and psychological experiences on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

165. Pondscape land-use actions - "learning and inspiration experiences" NCP

* 625. Was the "learning and inspiration experiences" NCP the objective when managing this pondscape?
The NCP "Learning and inspiration experiences" refers to the provision by ponds and/or pondsapes of opportunities for the development of the capabilities that allow humans to prosper through education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art and technological design (e.g. biomimicry)

Yes

No

166. Pondscape land-use actions - "learning and inspiration experiences" NCP

626. To what degree was the "learning and inspiration experiences" NCP the objective when managing this pondscape?

0: It was not an objective

3: High degree

627. How effective this/these pond/s are at facilitating the learning and inspiration experiences?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

628. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

629. Does managing this pondscape with the objective of facilitating learning and inspiration experiences negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

630. If you have confirmed a negative influence of managing this pondscape with the objective of facilitating learning and inspiration experiences on other NCPs, could you please identify those?
For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

631. What is the degree of confidence you have regarding the negative influence of managing this pondscape for the facilitation of learning and inspiration experiences on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

167. Pondscape land-use actions - "supporting identities" NCP

* 632. Was the "supporting identities" NCP the objective when managing this pondscape?

The NCP "Supporting identities" refers to the ponds and/or pondsapes being the basis for religious, spiritual, and social-cohesion experiences: i) provisioning of opportunities by nature for people to develop a sense of place, belonging, rootedness or connectedness, associated with different entities of the living world (e. g. cultural, sacred and heritage landscapes, sounds, scents and sights associated with childhood experiences, iconic animals or flowers), ii) basis for narratives, rituals and celebrations provided by ponds and/or pondsapes, and iii) source of satisfaction derived from knowing that a particular pond or pondscape exists

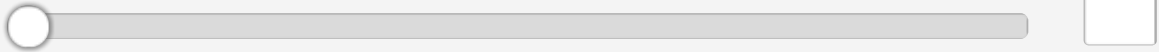
Yes

No

168. Pondscape land-use actions - "supporting identities" NCP

633. To what degree was the "supporting identities" NCP the objective when managing this pondscape?

0: It was not an objective 3: High degree



634. How effective this/these pond/s are at supporting identities?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

635. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

636. Does managing this pondscape with the objective of supporting identities negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

637. If you have confirmed a negative influence of managing this pondscape with the objective of supporting identities on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

638. What is the degree of confidence you have regarding the negative influence of managing this pondscape to support identities on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

169. Pondscape land-use actions - "Maintenance of options" NCP

* 639. Was the "maintenance of options" NCP the objective when managing this pondscape?

The NCP "Maintenance of options" refers to the capacity of ponds and/or pondsapes to keep options open in order to support a good quality of life. For example, benefits (including those of future generations) associated with the continued existence of a wide variety of species, populations and genotypes, including their contributions to the resilience and resistance of pond/pondscape properties in the face of environmental change and variability; or future benefits (or threats) derived from keeping options open for yet unknown discoveries and unanticipated uses of particular ponds/pondscapes.

Yes

No

170. Pondscape land-use actions - "Maintenance of options" NCP

640. To what degree was the "maintenance of options" NCP the objective when managing this pondscape?

0: It was not an objective

3: High degree

641. How effective this/these pond/s are for the maintenance of options?

- Extremely effective
- Very effective
- Somewhat effective
- Not so effective
- Not at all effective
- Unknown

642. What is the degree of confidence you have to your previous answer?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

643. Does managing this pondscape with the objective of maintenance of options negatively influence the delivery of any other NCPs?

- No negative influences on other NCPs
- Some negative influences on other NCPs
- Many negative influences on other NCPs
- Unknown

644. If you have confirmed a negative influence of managing this pondscape with the objective of maintenance of options on other NCPs, could you please identify those?

For example, (in the case of NCP: regulation of water quantity) a pond that has been digged, now has water for longer time but some macrophyte species have disappeared because they were related to more ephemeral conditions (IN THE CHECKBOXES SELECT NCP: creation of habitat for biodiversity).

- Habitat creation for biodiversity
- Pollination
- Regulation of climate (including regulation of global warming)
- Regulation of water quantity (flow of surface and groundwater)
- Regulation of water quality (e.g. for downstream areas)
- Regulation of hazards and extreme events (e.g. floods, heat waves, fires, seawater intrusion, tidal waves)
- Food and feed (e.g. production of fish, crayfish, frogs, livestock, game, crops, wild plants, production of feed (forage) for domesticated animals)
- Physical and psychological experiences (e.g. relaxation, recreation, tourism and aesthetic enjoyment, hiking, recreational hunting and fishing, birdwatching)
- Learning and inspiration (e.g. education, acquisition of knowledge and development of skills for well-being, information, and inspiration for art)
- Supporting identities (basis for social-cohesion experiences)
- Maintenance of options (to keep options open in order to support a good quality of life)

645. What is the degree of confidence you have regarding the negative influence of managing this pondscape for the maintenance of options on the delivery of NCPs (your answer to the question above)?

- Extremely confident
- Very confident
- Somewhat confident
- Not so confident
- Not at all confident
- Unknown

171. Pondscape land-use actions - final

* 646. Cite the sources of the information where the information detailed here comes from (report, journal article, website links, expert notes) or detail whether the information comes from expert evidence (in the case there are not published references)

* 647. Would you (and your pondscape) be willing to be added as contributor in the European Commission Ponderful deliverable (D4.1. Database on Pondscales) and in the acknowledgements of the scientific publications?

Yes

No

* 648. Would you like to receive the report that will result from this survey?

Yes

No

If yes, to what email?

649. We aim to get local expertise and knowledge on all these issues, if you know the contact of people who is directly working with created, restored or managed ponds and could also answer this questionnaire, could you please add their names and/or contact?

172. Indicators Optional

THIS SECTION IS OPTIONAL: Quantitative indicators for NCPs

Select in the following questions the indicators for which you have precise information for your pond/pondscape

650. Creation and maintenance of habitat: select the indicators for which you have precise information for your pond/pondscape

- Plant species richness (submerged, floating, helophytes), including Charophytes
- Water bird species richness (nesting, mating, overwintering)
- Zooplankton richness (Crustacean; Rotifera)
- Amphibian species richness
- Dragonfly species richness
- Fishes with juveniles stages species richness
- Number of mesohabitats for invertebrates
- Number of families of invertebrates belonging to Ephemeroptera, Plecoptera, Trichoptera, Odonata, Coleoptera and Gastropoda. (aquatic stages)
- Number of species of invertebrates belonging to Ephemeroptera, Plecoptera, Trichoptera, Odonata, Coleoptera and Gastropoda. (aquatic stages)
- Number of conservation priority species (N)
- Conservation score: total value for the pondscape
- Conservation score: mean value per spp.
- Number of invasive alien species (N)
- Proportion of regional species richness (for each taxonomic group whose species richness is measured)
- Structural connectivity (ha)
- Functional connectivity (ha)
- Other (please specify)

651. Pollination: select the indicators for which you have information for your pond/pondscape

- Number of pollinator species
- Abundance of pollinators
- Other (please specify)

652. Regulation of climate: select the indicators for which you have information for your pond/pondscape

- Air temperature reduction (temperature variation between inside and outside the pondscape, or between on top and next to your pond)
- Total carbon removed or stored in vegetation and soil per unit area per unit time (kg/ha/y)
- Capacity of C storage (by primary production, by organic matter accumulation)
- Capacity of GHG sequestration
- Total carbon stored in vegetation (kg/ha/y)
- Rate of sediment carbon decomposition (% p.a.)
- Sediment carbon content (Kg/ha/y)
- Other (please specify)

653. Regulation of water quantity, location and timing: select the indicators for which you have information for your pond/pondscape

- Total of water volume stored in the pond or pondscape (cummulative volume of all ponds)
- Intensity of regulation of flow to water dependent habitat downstream
- Water level in one or several ponds (cm)
- Duration and frequency of hydroperiod in temporary systems
- Water storage used for irrigation
- Water storage used as a drinking source of livestock
- Pond land use intensity (High, Medium, Low) (in a 200m radius of each pond)
- Recharge of groundwater
- Other (please specify)

654. Regulation of water quality: select the indicators for which you have information for your pond/pondscape

- Metabolization and stocking of N and P (g/m³/y)
- Number of chemicals (including pesticides) intercepted by pondscape
- Concentrations of chemicals intercepted / metabolized (g/m³/y)
- Water quality: total suspended solid content (mg/L)
- Total faecal coliform bacteria content of pondscape effluents
- Nitrogen and phosphorus concentration or load (%)
- Metal concentration or load (%)
- Other (please specify)

655. Regulation of hazards and extreme events: select the indicators for which you have information for your pond/pondscape

- Volume of water stocked during a severe flooding linked to storms or to marine water intrusion (m³/event)
- Use for fire-fighting
- Flood peak reduction (%)
- Peak flow variation (%)
- Surface runoff in relation to precipitation quantity (mm/%)
- Other (please specify)

656. Food and feed: select the indicators for which you have information for your pond/pondscape

- Productivity (kg/ha/y) of food for humans from wild animals (fish, birds,...)
- Productivity of domesticated animals living in the pondscape (fish, cattle) (kg/y)
- Productivity of salt
- Productivity of plants (e.g. watercress)
- Volume of water supply (for humans and/or livestock)
- Other (please specify)

657. Physical and psychological experience: select the indicators for which you have information for your pond/pondscape

- Number of persons frequenting the pondscape for leisure (walking, hiking, cycling, relax, picnic)
- Number of persons frequenting the pondscape for tourism
- Number of persons frequenting the pondscape for fishing
- Number of persons frequenting the pondscape for bird watching or nature watching
- Number of hunters
- Number of clean-up operations
- Area inside the pondscape accessible to the public (% of the pondscape area)
- "Pondscape area"/"total green regional area" (% of the surface area)
- Self-reported satisfaction/wellbeing (scale)
- Other (please specify)

658. Learning and inspiration: select the indicators for which you have information for your pond/pondscape

- Number of artistic productions
- Number of studies driven for acquisition of knowledge
- Number of school/university students visiting the pondscape
- Number of mobilised animators of environmental education
- Citizen involvement in environmental education activities (N of people)
- Other (please specify)

659. Supporting identities: select the indicators for which you have information for your pond/pondscape

- Level of belonging /rootedness / connectedness associated with the pondscape (scale 1-10?)
- Number of celebrations, rituals or narratives linked to the pondscape (N/y)
- number of quotations into social networks and mass media (press etc.)
- Number of new jobs created
- Number of involved actors in the cultural heritage protection
- Number of projects with a participatory process
- Proportion of citizens involved in participatory processes (%)
- Sense of empowerment: perceived control and influence over decision-making (0-5)
- Policy learning for mainstreaming NbS: Number of new policies instituted (N)
- Trust in decision-making procedure and decision-makers (%)
- Other (please specify)

660. Maintenance of options: select the indicators for which you have information for your pond/pondscape

- Level of resilience of the ecosystems for hosting the same species during a long time
- Future benefits linked to changes of species linked to ongoing biological evolution
- Other (please specify)

661. Physical and chemical variables: select the indicators for which you have information for your pond/pondscape

- Amount of suspended matter, water turbidity and chemical variables (nutrients, alkalinity, sulphates, chlorides and hardness)
- Chlorophyll a and phycocyanine
- Conductivity, pH, oxygen concentration (+ saturation), water temperature
- Hydroperiod (permanent/temporary), length of hydroperiod
- Water depth and surface
- Water availability and storage capacity
- Other (please specify)

662. Could we could contact you to get some of this specific data?

- Yes
- No

173. FINAL

Thank you for your feedback. We really appreciate your time.

If you would like to further increase the visibility of your case study and expand the database of case studies on different challenges, you can submit your case study to the NetworkNature, [here](#).